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 CLIENT NAME: Highways England LICENCE NUMBER: 100030649 [2017]

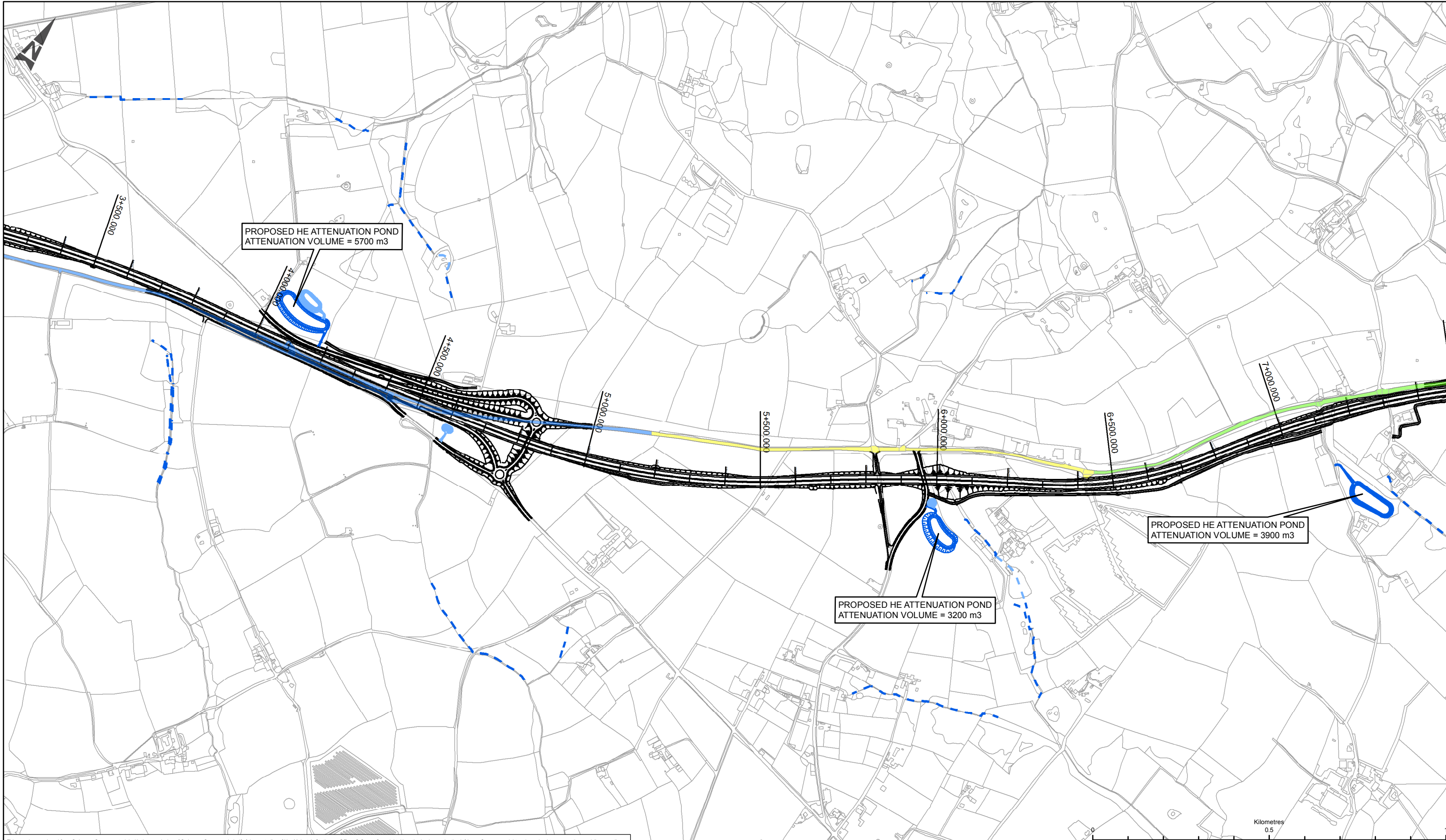
LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
RIVER NETWORK	
	CULVERT
	TERTIARY RIVER

NOTE: DRAINAGE CATCHMENTS DEFINED BY SEPARATE COLOURS

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION				
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)				
Construction				
NONE				
Maintenance / Cleaning				
NONE				
Use				
NONE				
Decommission / Demolition				
NONE				
P02	07/12/17	FIRST ISSUE	AH	TS PH
Rev	Date	Description	By	Chk'd App'd

Suitability	Drawing Status	Project Title			
S3	FIT FOR REVIEW AND COMMENT	A30 CHIVERTON TO CARLAND CROSS			
Designer		Drawing Title			
ARUP		FIGURE 13.1- SURFACE WATER DRAINAGE FEATURES AND EXISTING HIGHWAY DRAINAGE CATCHMENTS SHEET 1 OF 4			
Scale	Designed / Drawn	Checked	Approved	Authorised	
1:10,000	AH	TS	PH	IM	
Original Size	Date	Date	Date	Date	
A3	07/12/17	07/12/17	07/12/17	07/12/17	
Drawing Number	Project	Originator	Volume	Revision	
	HA551502-ARP-EWE-			P02	
Location	Type	Role	Number		



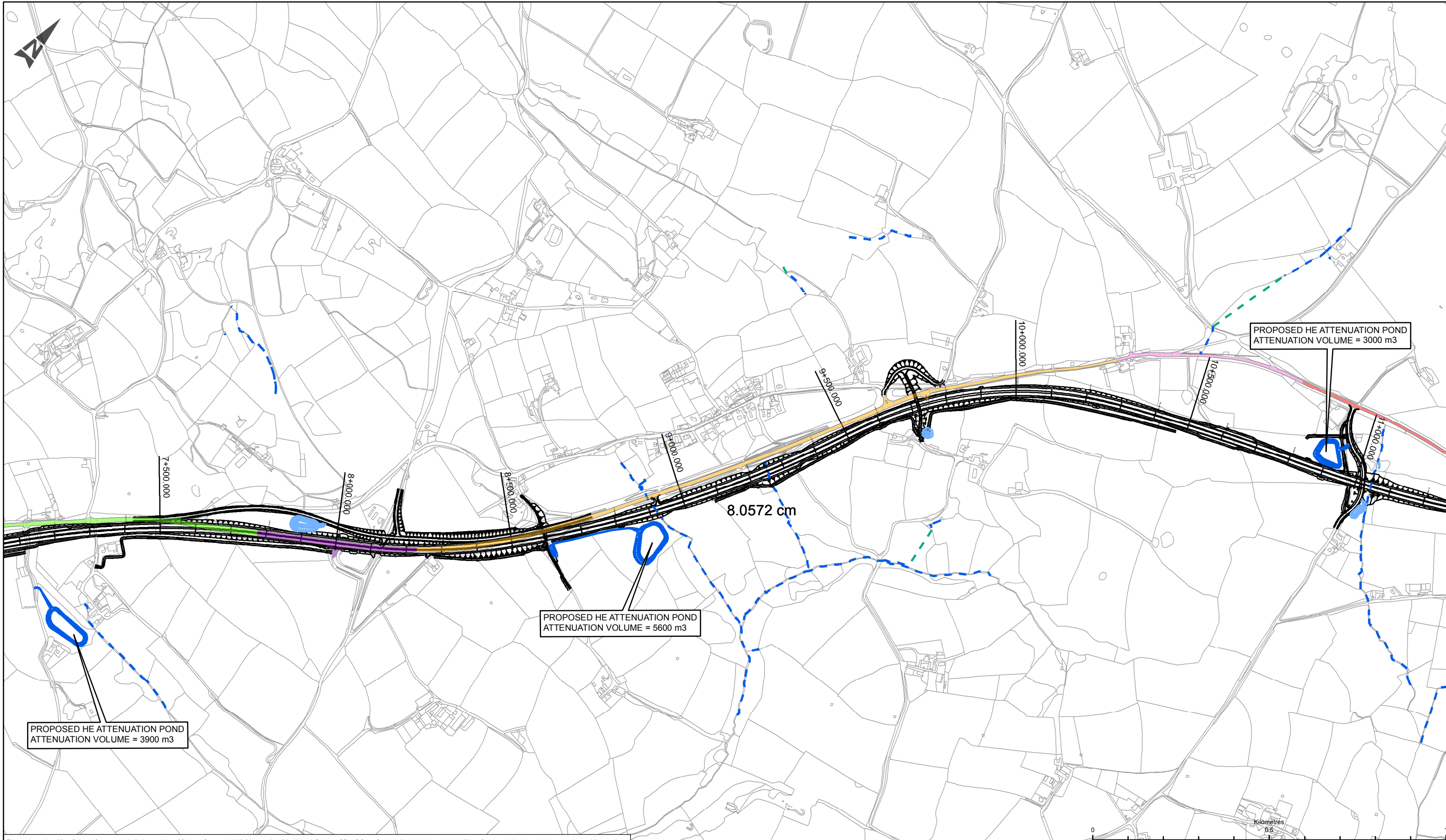


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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
RIVER NETWORK	
	SECONDARY RIVER
	TERTIARY RIVER
NOTE: DRAINAGE CATCHMENTS DEFINED BY SEPARATE COLOURS	

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction			
NONE			
Maintenance / Cleaning			
NONE			
Use			
NONE			
Decommission / Demolition			
NONE			
P02	07/12/17	FIRST ISSUE	By AH TS PH
Rev	Date	Description	By Chk'd App'd

Suitability	Drawing Status	Project Title			
S3	FIT FOR REVIEW AND COMMENT	A30 CHIVERTON TO CARLAND CROSS			
Designer	Drawing Title				
	FIGURE 13.1 - SURFACE WATER FEATURES AND EXISTING HIGHWAY DRAINAGE CATCHMENTS SHEET 2 OF 4				
Client	Scale	Designed / Drawn	Checked	Approved	Authorised
	1:10,000	AH	TS	PH	IM
	Original Size	Date	Date	Date	Date
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Location		Type	Role	Number	

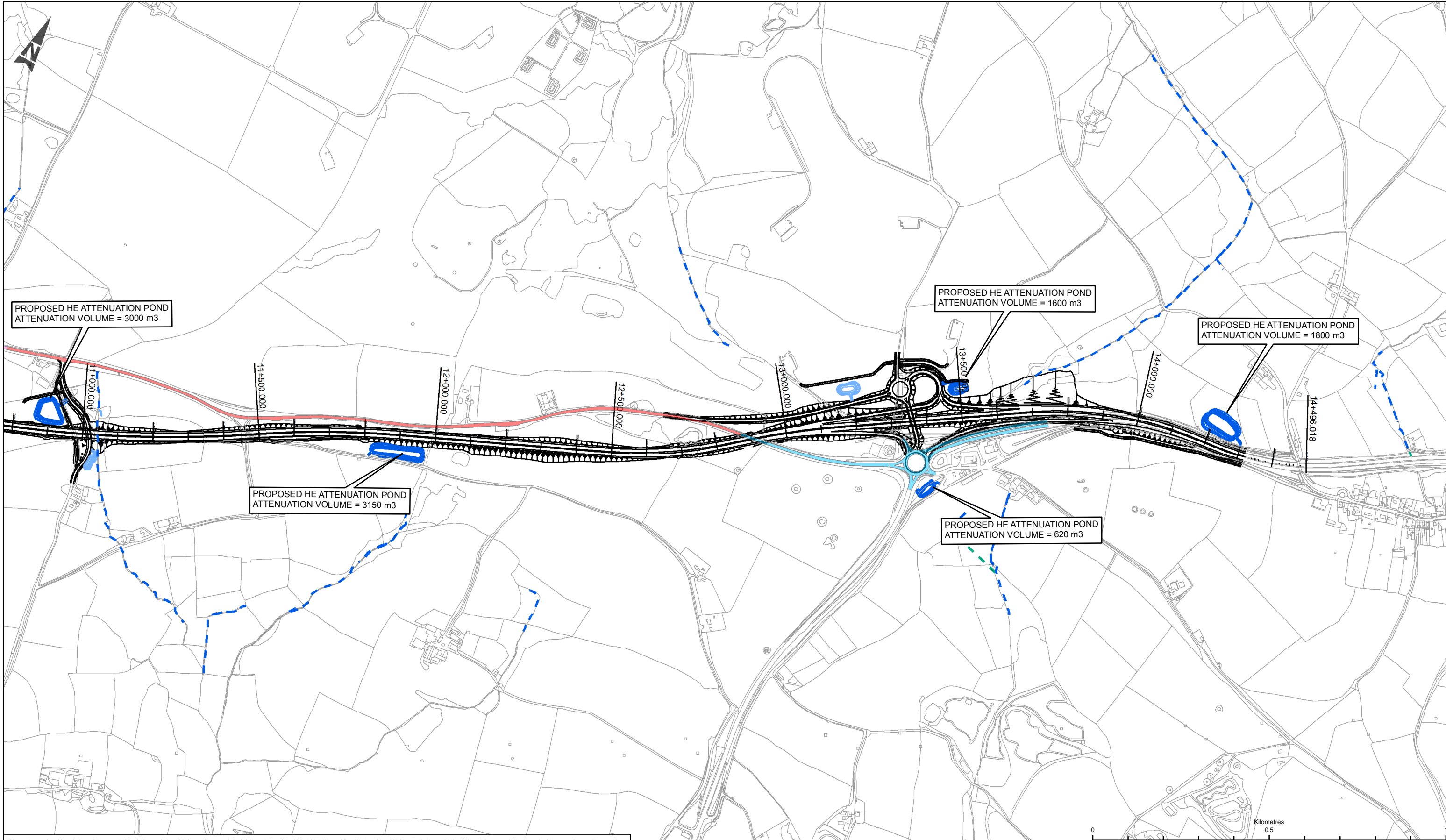


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 CLIENT NAME: Highways England LICENCE NUMBER: 100030649 [2017]

LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
RIVER NETWORK	
	CULVERT
	SECONDARY RIVER
	TERTIARY RIVER
NOTE: DRAINAGE CATCHMENTS DEFINED BY SEPARATE COLOURS	

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction NONE			
Maintenance / Cleaning NONE			
Use NONE			
Decommission / Demolition NONE			
P02	07/12/17	FIRST ISSUE	AH TS PH
Rev	Date	Description	By Chkd App'd

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS			
Designer <b>ARUP</b>		Drawing Title FIGURE 13.1- SURFACE WATER FEATURES AND EXISTING HIGHWAY DRAINAGE CATCHMENTS SHEET 3 OF 4			
Scale 1:10,000	Designed / Drawn AH	Checked TS	Approved PH	Authorised IM	
Original Size A3	Date 07/12/17	Date 07/12/17	Date 07/12/17	Date 07/12/17	Date 07/12/17
Drawing Number Project	Originator HA551502-ARP-EWE- SW-DR-LE-000007	Volume	Revision P02		
Location	Type	Role	Number		

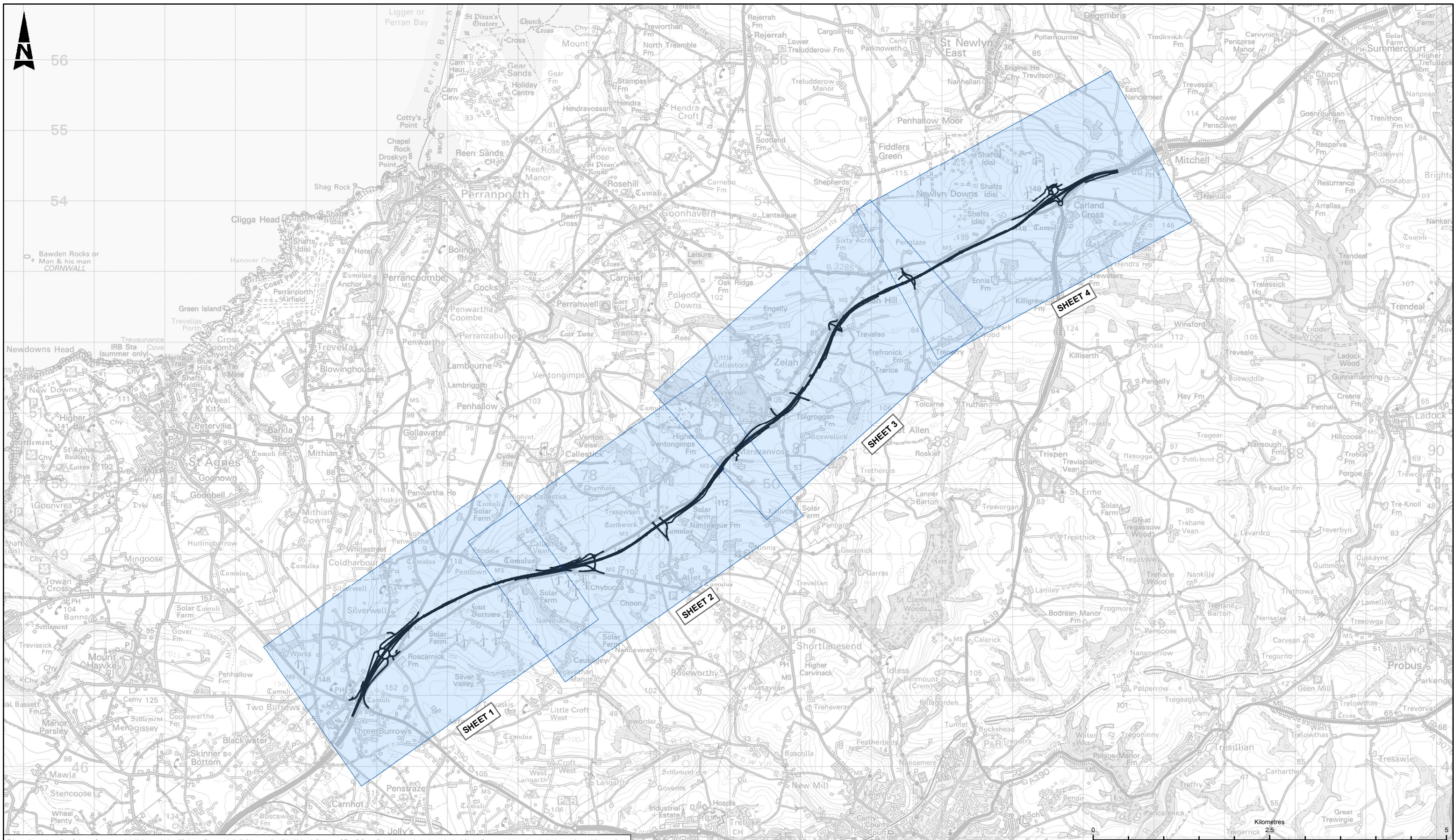


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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (CORNWALL COUNCIL)
	ATTENUATION POND (HE)
RIVER NETWORK	
	CULVERT
	SECONDARY RIVER
	TERTIARY RIVER
NOTE: DRAINAGE CATCHMENTS DEFINED BY SEPARATE COLOURS	

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction			
NONE			
Maintenance / Cleaning			
NONE			
Use			
NONE			
Decommission / Demolition			
NONE			
P02	07/12/17	FIRST ISSUE	AH TS PH
Rev	Date	Description	By Chk'd App'd

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS
		Drawing Title <b>FIGURE 13.1- SURFACE WATER FEATURES AND EXISTING HIGHWAY DRAINAGE CATCHMENTS SHEET 4 OF 4</b>
Scale 1:10,000	Designed / Drawn AH	Checked TS
Original Size A3	Date 07/12/17	Date 07/12/17
Approved PH	Date 07/12/17	Authorised IM
Drawing Number Project HA551502-ARP-EWE-SW-DR-LE-000008		Volume P02
Location	Type	Role



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**LEGEND**

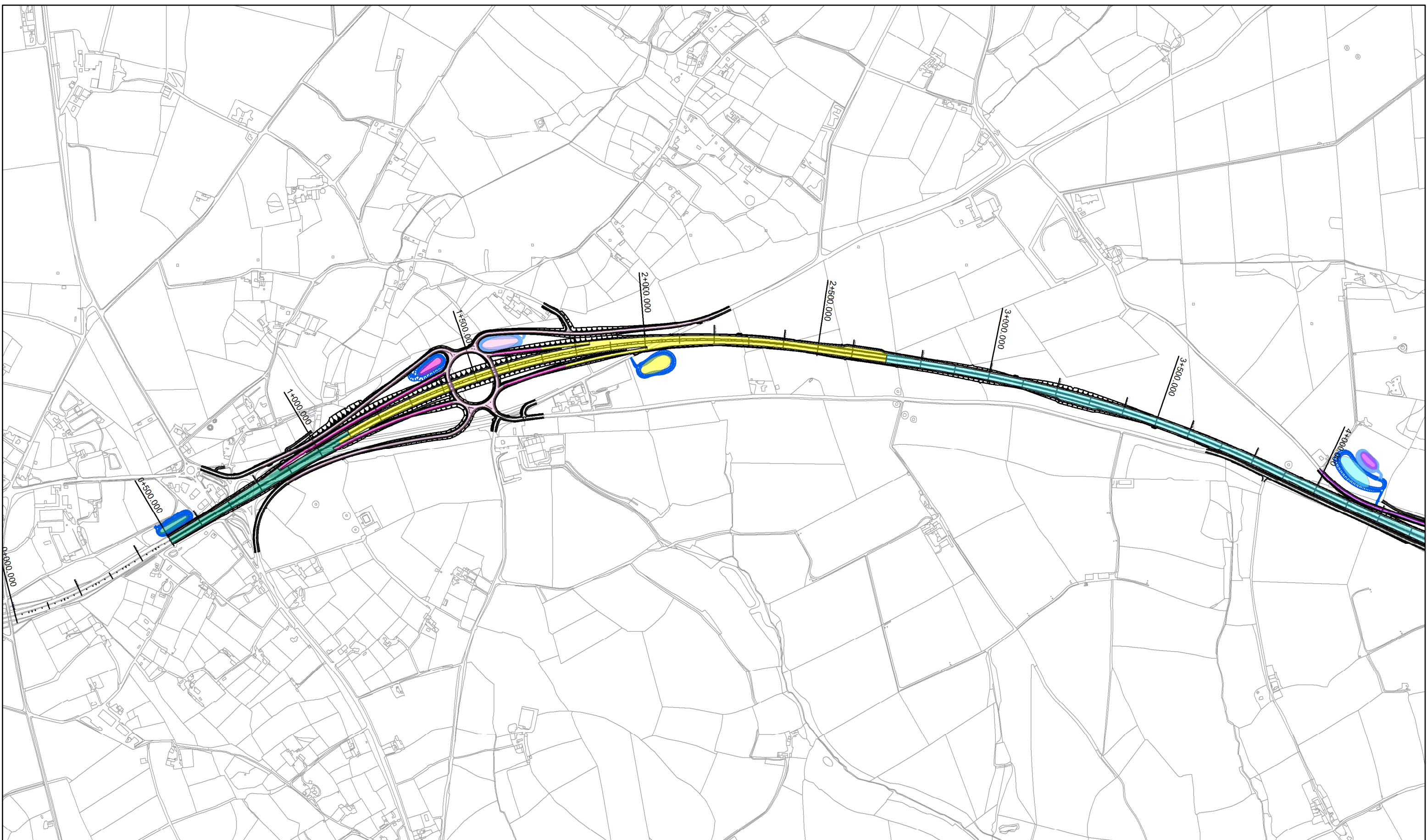
- PROPOSED ROUTE ALIGNMENT
- SHEET EXTENT

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
<b>Construction</b>			
NONE			
<b>Maintenance / Cleaning</b>			
NONE			
<b>Use</b>			
NONE			
<b>Decommission / Demolition</b>			
NONE			
P02	07/12/17	FIRST ISSUE	AH TS PH
Rev	Date	Description	By Chkd App'd

Suitability	Drawing Status	Project Title
S3	FIT FOR REVIEW AND COMMENT	A30 CHIVERTON TO CARLAND CROSS
Designer		Drawing Title
		KEY PLAN CHAPTER 13 FIGURES 13.1 - 13.5

Scale	Designed / Drawn	Checked	Approved	Authorised
1:50,000	AH	TS	PH	IM
Original Size	Date	Date	Date	Date
A3	07/12/17	07/12/17	07/12/17	07/12/17
Drawing Number	Project	Originator	Volume	Revision
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	SW-DR-LE-000025			
Location	Type	Role	Number	




**LEGEND**

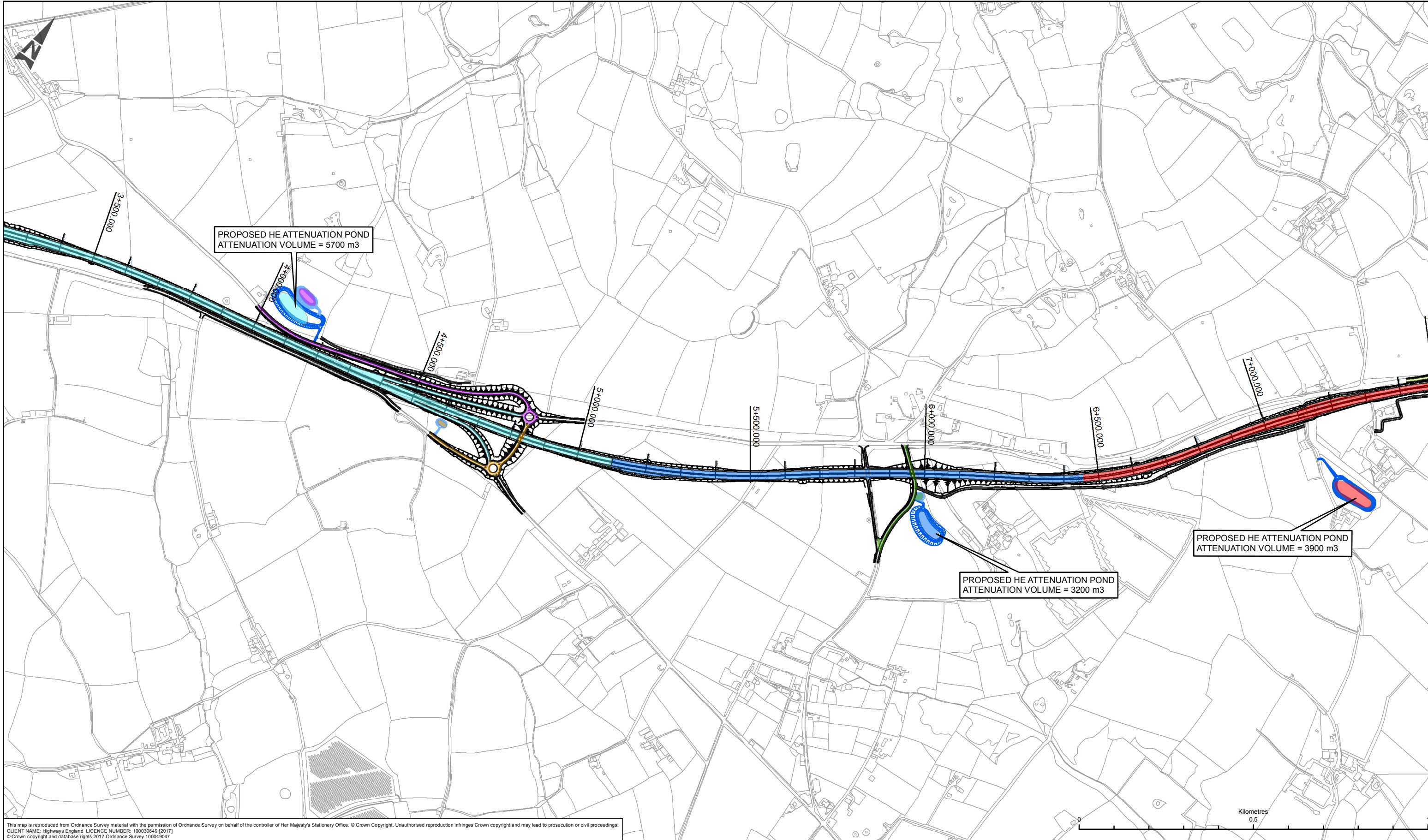
- PROPOSED ROUTE ALIGNMENT
- ATTENUATION POND (HE)
- ATTENUATION POND (CORNWALL COUNCIL)

NOTE: COLOUR OF PROPOSED DRAINAGE CATCHMENT CORRESPONDS TO MATCHING COLOURED ATTENUATION POND

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction NONE			
Maintenance / Cleaning NONE			
Use NONE			
Decommission / Demolition NONE			
P02	07/12/17	FIRST ISSUE	AH TS PH
Rev	Date	Description	By Chk'd App'd

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS			
Designer <b>ARUP</b>		Drawing Title FIGURE 13.2 - PROPOSED HIGHWAYS DRAINAGE CATCHMENTS SHEET 1 OF 4			
Scale 1:10,000	Designed / Drawn AH	Checked TS	Approved PH	Authorised IM	
Original Size A3	Date 07/12/17	Date 07/12/17	Date 07/12/17	Date 07/12/17	
Drawing Number Project		Originator HA551502-ARP-EWE-SW-DR-LE-000009	Volume	Revision P02	
Location	Type	Role	Number		

Client: **highways england** 



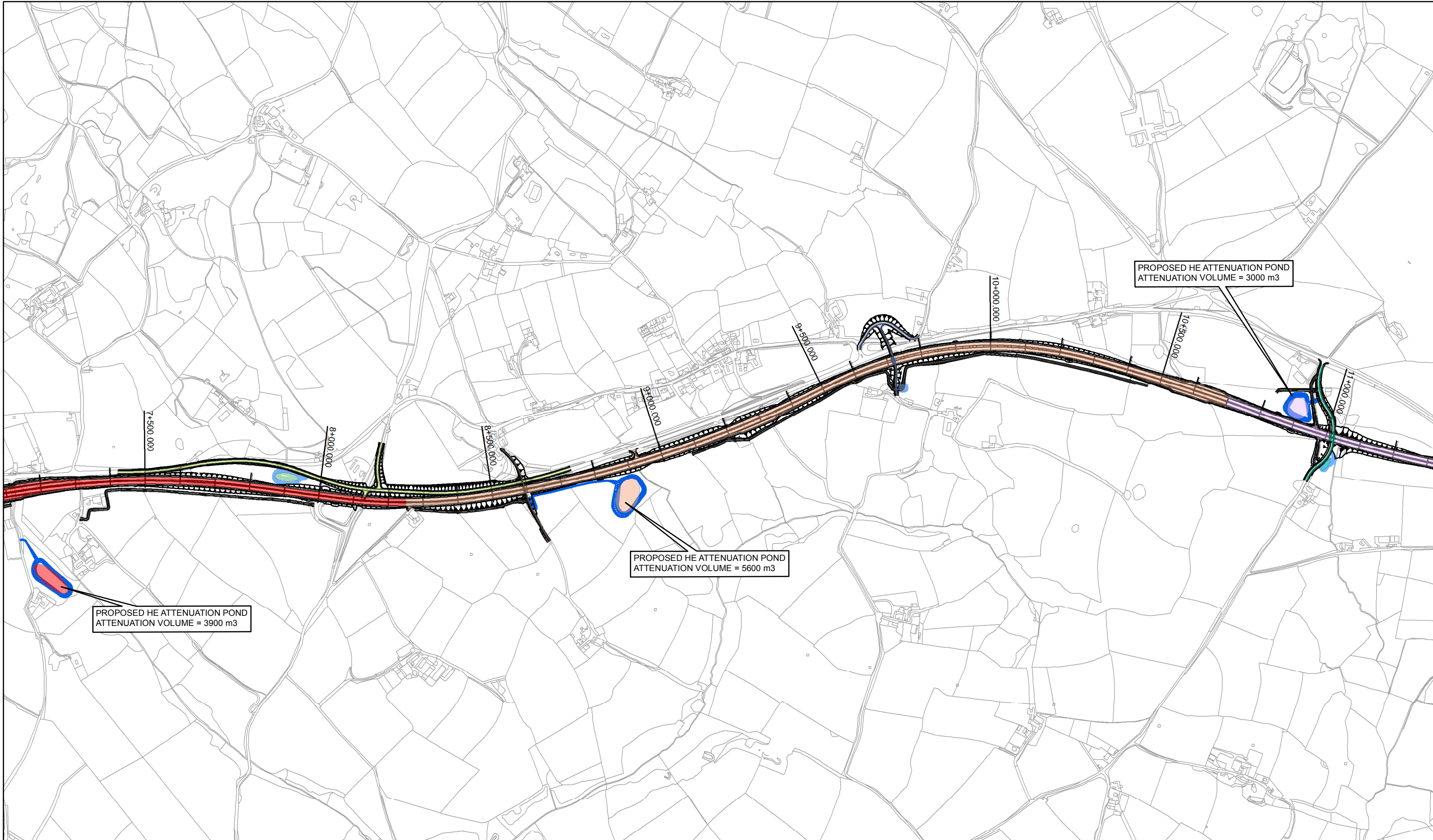
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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)

NOTE: COLOUR OF PROPOSED DRAINAGE CATCHMENT CORRESPONDS TO MATCHING COLOURED ATTENUATION POND

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION					
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)					
Construction NONE					
Maintenance / Cleaning NONE					
Use NONE					
Decommission / Demolition NONE					
Rev	Date	Description	By	Chk'd	App'd
P02	07/12/17	FIRST ISSUE	AH	TS	PH

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS			
Designer <b>ARUP</b>		Drawing Title FIGURE 13.2 - PROPOSED HIGHWAYS DRAINAGE CATCHMENTS SHEET 2 OF 4			
Client <b>highways england</b>	Scale 1:10,000	Designed / Drawn AH	Checked TS	Approved PH	Authorised IM
	Original Size A3	Date 07/12/17	Date 07/12/17	Date 07/12/17	Date 07/12/17
Drawing Number Project		Originator HA551502-ARP-EWE-SW-DR-LE-000010	Volume	Revision P02	
Location	Type	Role	Number		



**LEGEND**

- PROPOSED ROUTE ALIGNMENT
- ATTENUATION POND (HE)
- ATTENUATION POND (CORNWALL COUNCIL)

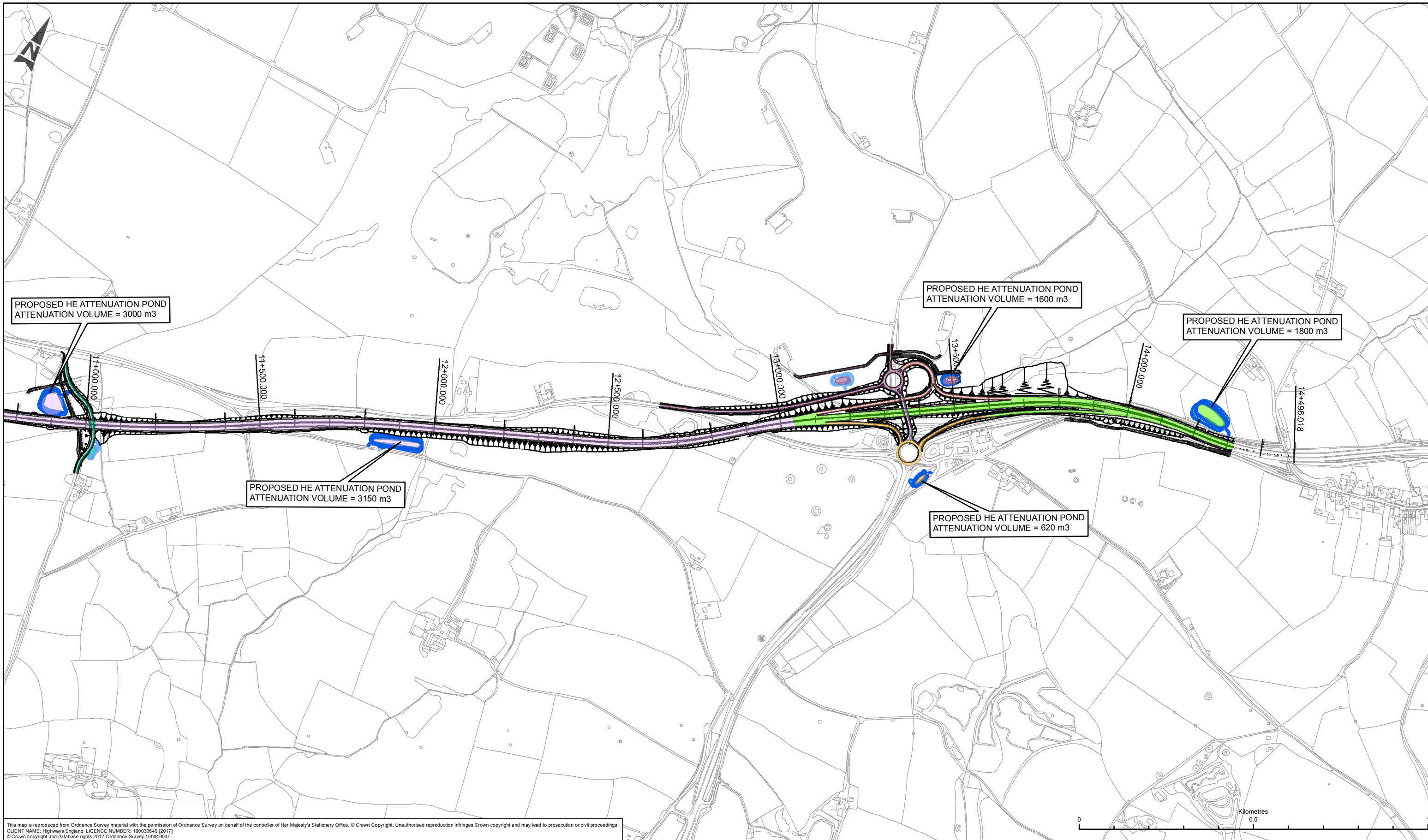
NOTE: COLOUR OF PROPOSED DRAINAGE CATCHMENT CORRESPONDS TO MATCHING COLOURED ATTENUATION POND

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction	NONE		
Maintenance / Cleaning	NONE		
Use	NONE		
Decommission / Demolition	NONE		
Rev	Date	Description	By
P02	07/12/17	FIRST ISSUE	AH TS PH

Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT  
 Designer: **ARUP**  
 Client: **highways england** and **European Union** (European Regional Development Fund)

Project Title: A30 CHIVERTON TO CARLAND CROSS			
Drawing Title: FIGURE 13.2 - PROPOSED HIGHWAYS DRAINAGE CATCHMENTS SHEET 3 OF 4			
Scale: 1:10,000	Designed / Drawn: AH	Checked: TS	Approved: PH
Original Size: A3	Date: 07/12/17	Date: 07/12/17	Date: 07/12/17
Drawing Number: Project	Originator: AH	Volume: PH	Revision: IM
HA551502-ARP-EWE-SW-DR-LE-000011			P02
Location	Type	Role	Number





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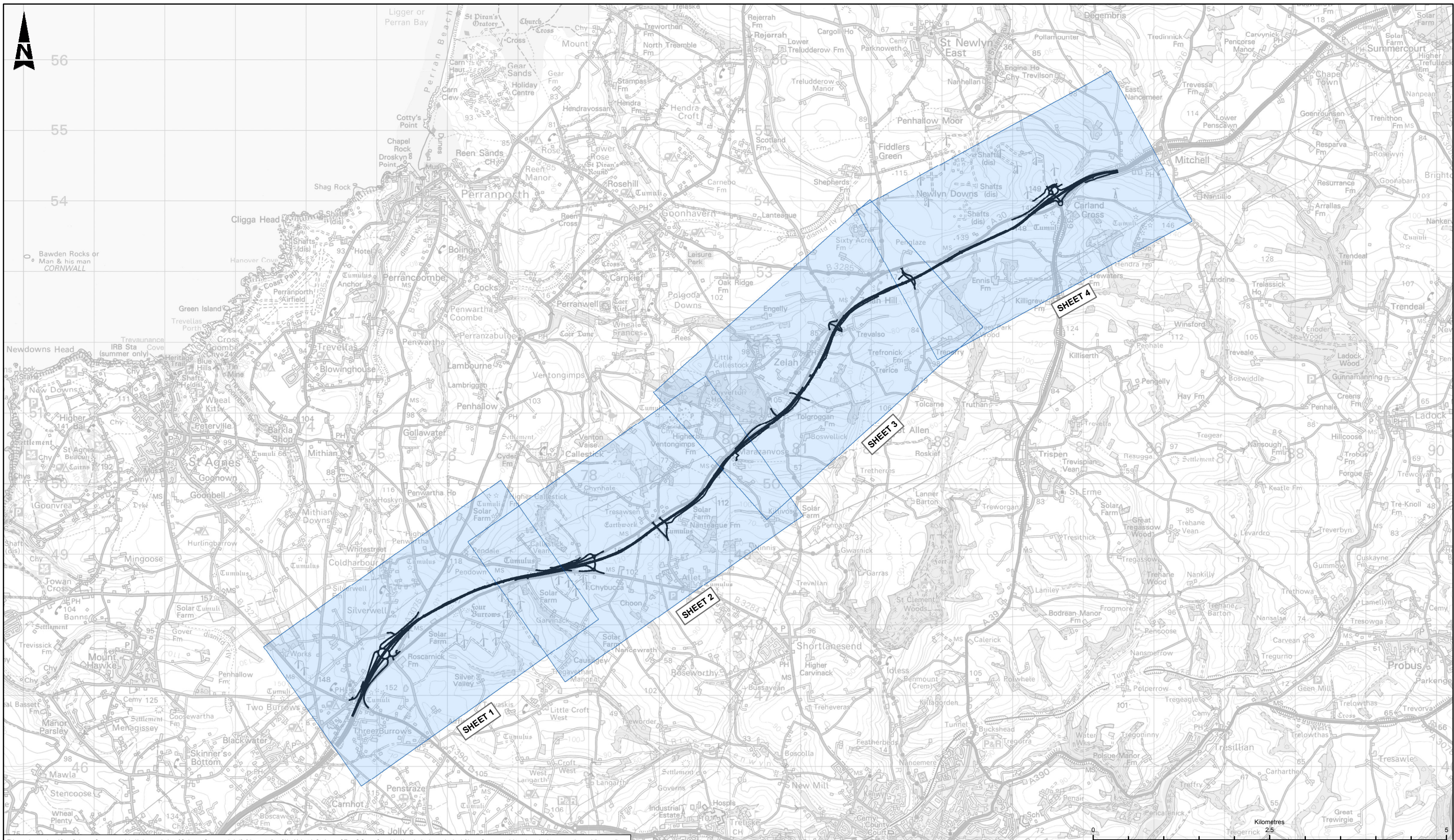
**LEGEND**

- PROPOSED ROUTE ALIGNMENT
- ATTENUATION POND (HE)
- ATTENUATION POND (CORNWALL COUNCIL)

NOTE: COLOUR OF PROPOSED DRAINAGE CATCHMENT CORRESPONDS TO MATCHING COLOURED ATTENUATION POND

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction NONE			
Maintenance / Cleaning NONE			
Use NONE			
Decommission / Demolition NONE			
P02	07/12/17	FIRST ISSUE	AH TS PH
Rev	Date	Description	By Chk'd App'd

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS			
Designer <b>ARUP</b>		Drawing Title FIGURE 13.2 - PROPOSED HIGHWAYS DRAINAGE CATCHMENTS SHEET 4 OF 4			
Client highways england	Scale 1:10,000	Designed / Drawn AH	Checked TS	Approved PH	Authorised IM
European Union European Regional Development Fund	Original Size A3	Date 07/12/17	Date 07/12/17	Date 07/12/17	Date 07/12/17
Drawing Number Project HA551502-ARP-EWE-SW-DR-LE-000012		Originator Volume	Revision P02		
Location	Type	Role	Number		



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 CLIENT NAME: Highways England LICENCE NUMBER: 100030649 [2017]

**LEGEND**

- PROPOSED ROUTE ALIGNMENT
- SHEET EXTENT

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)					
<b>Construction</b>					
NONE					
<b>Maintenance / Cleaning</b>					
NONE					
<b>Use</b>					
NONE					
<b>Decommission / Demolition</b>					
NONE					
P02	07/12/17	FIRST ISSUE		AH	TS PH
Rev	Date	Description		By	Chkd App'd

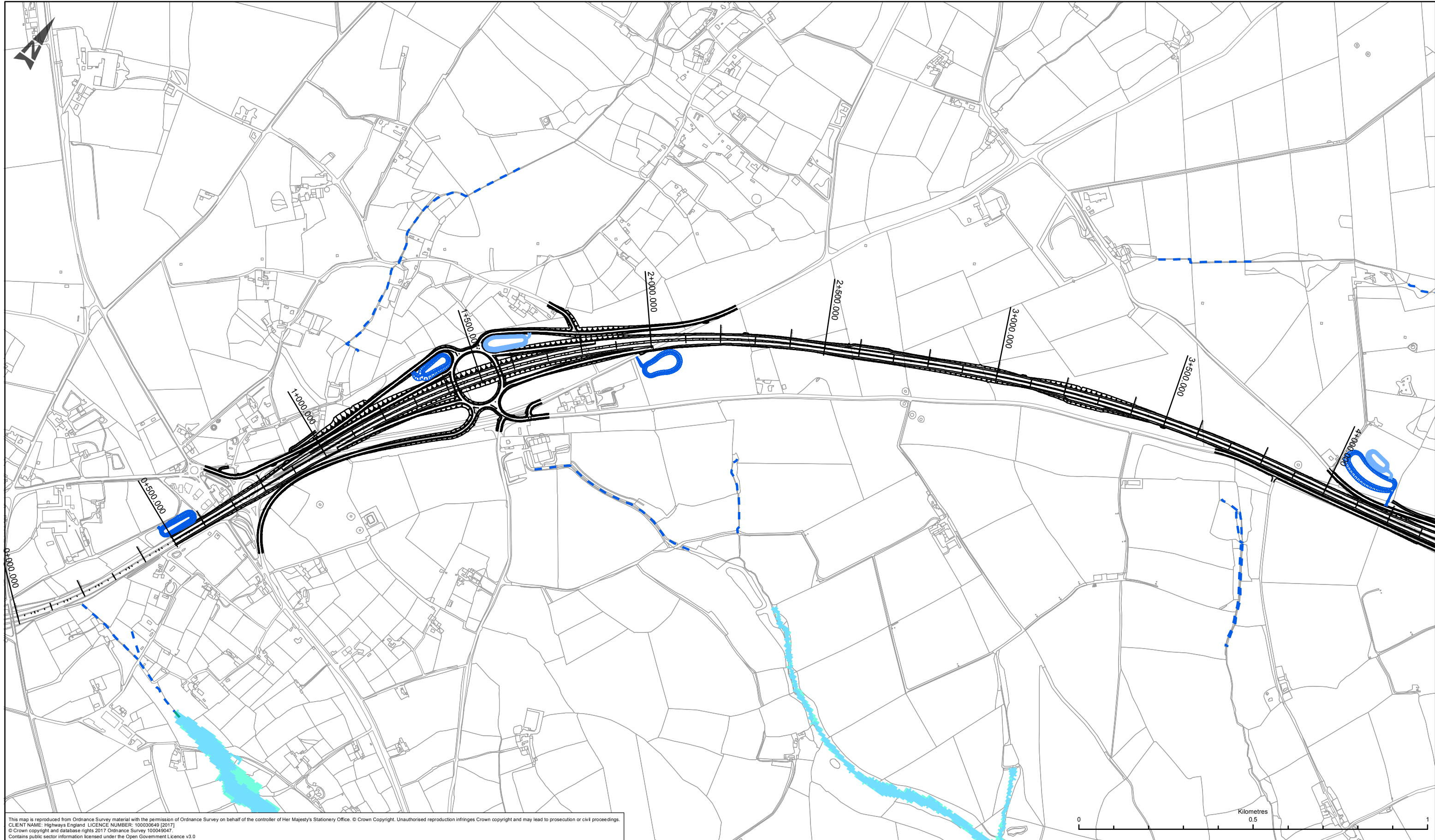
Suitability	Drawing Status
S3	FIT FOR REVIEW AND COMMENT
Designer	

ARUP

highways  
england

Project Title	A30 CHIVERTON TO CARLAND CROSS				
Drawing Title	KEY PLAN CHAPTER 13 FIGURES 13.1 - 13.5				

Scale	Designed / Drawn	Checked	Approved	Authorised
1:50,000	AH	TS	PH	IM
Original Size	Date	Date	Date	Date
A3	07/12/17	07/12/17	07/12/17	07/12/17
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Location	Type	Role	Number	

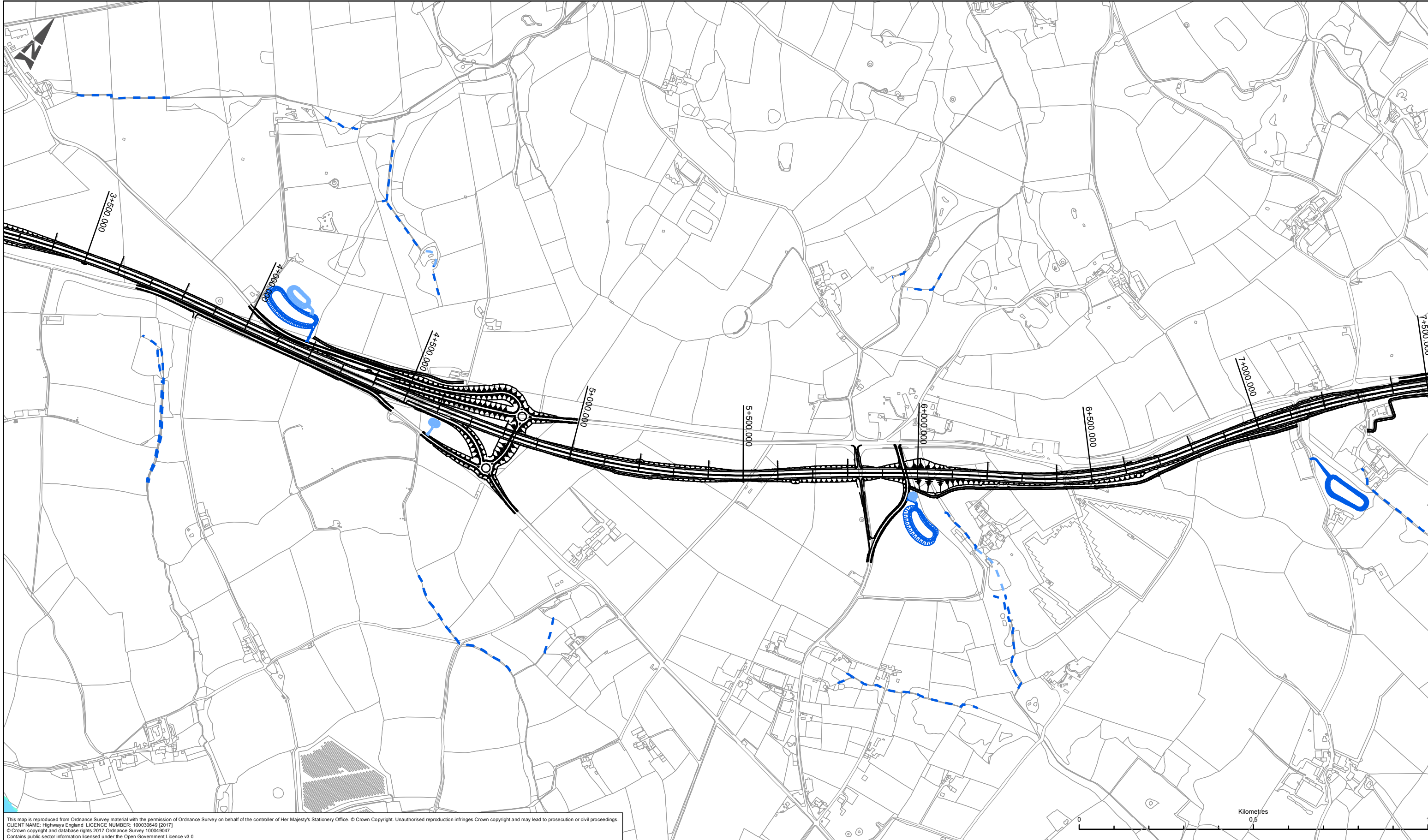


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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
	FLOOD ZONE 2
	FLOOD ZONE 3
	RIVER NETWORK CULVERT
	TERTIARY RIVER

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction NONE			
Maintenance / Cleaning NONE			
Use NONE			
Decommission / Demolition NONE			
P02	07/12/17	FIRST ISSUE	By AH TS PH
Rev	Date	Description	Chk'd App'd

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS			
Designer <b>ARUP</b>		Drawing Title FIGURE 13.3 - FLOOD RISK ZONES MAP SHEET 1 OF 4			
Client <b>highways england</b>	Scale 1:10,000	Designed / Drawn AH	Checked TS	Approved PH	Authorised IM
	Original Size A3	Date 07/12/17	Date 07/12/17	Date 07/12/17	Date 07/12/17
Drawing Number Project HA551502-ARP-EWE-SW-DR-LE-000013		Originator Volume	Revision P02		
Location	Type	Role	Number		

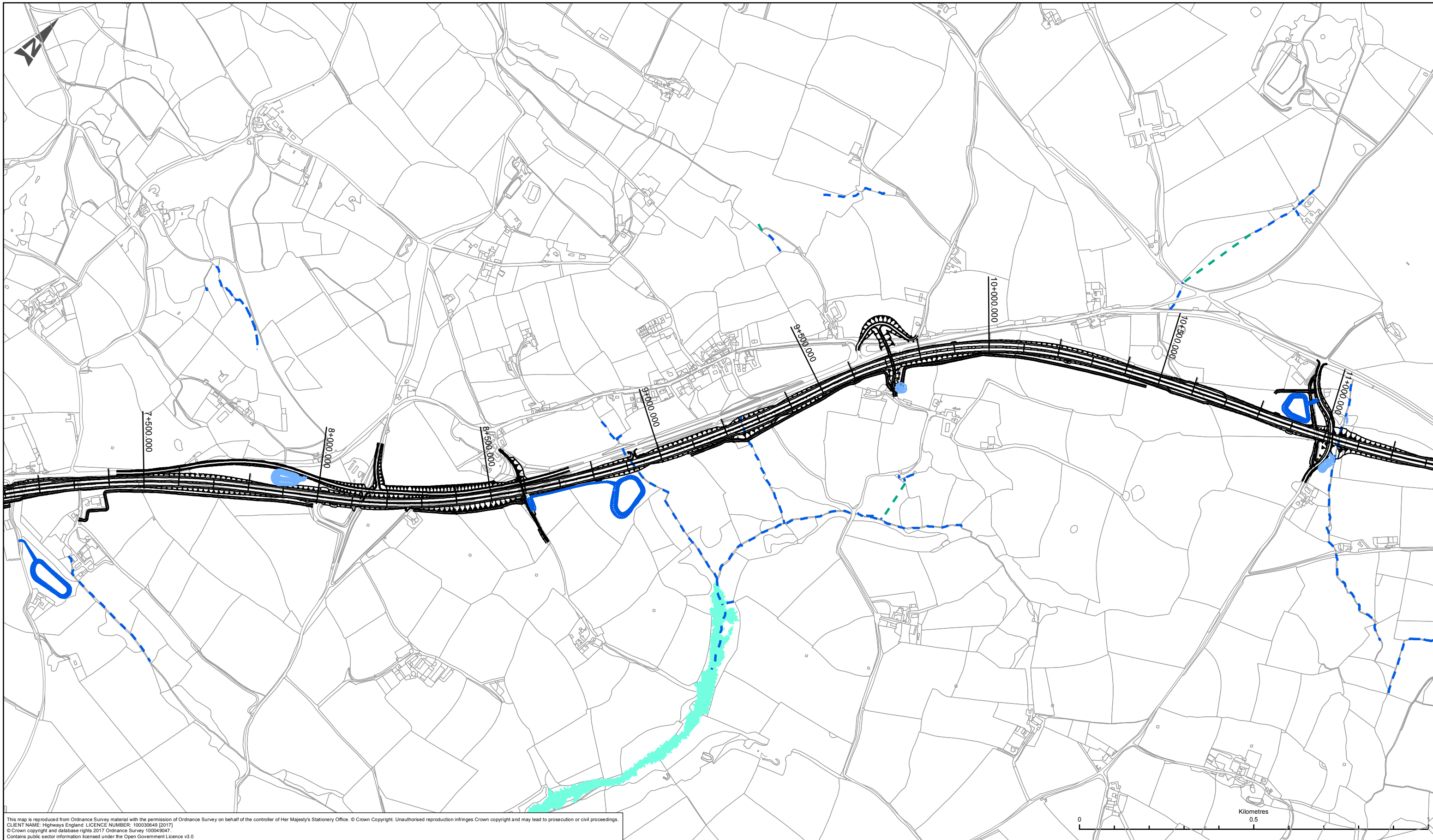


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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
	FLOOD ZONE 2
	FLOOD ZONE 3
RIVER NETWORK	
	SECONDARY RIVER
	TERTIARY RIVER

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION				
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)				
Construction NONE				
Maintenance / Cleaning NONE				
Use NONE				
Decommission / Demolition NONE				
P02	07/12/17	FIRST ISSUE	AH	TS
Rev	Date	Description	By	Chk'd

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS			
Designer <b>ARUP</b>		Drawing Title FIGURE 13.3 - FLOOD RISK ZONES MAP SHEET 2 OF 4			
Client <b>highways england</b>	Scale 1:10,000	Designed / Drawn AH	Checked TS	Approved PH	Authorised IM
	Original Size A3	Date 07/12/17	Date 07/12/17	Date 07/12/17	Date 07/12/17
Drawing Number Project HA551502-ARP-EWE-SW-DR-LE-000014		Originator Volume P02		Revision P02	
Location		Type	Role	Number	



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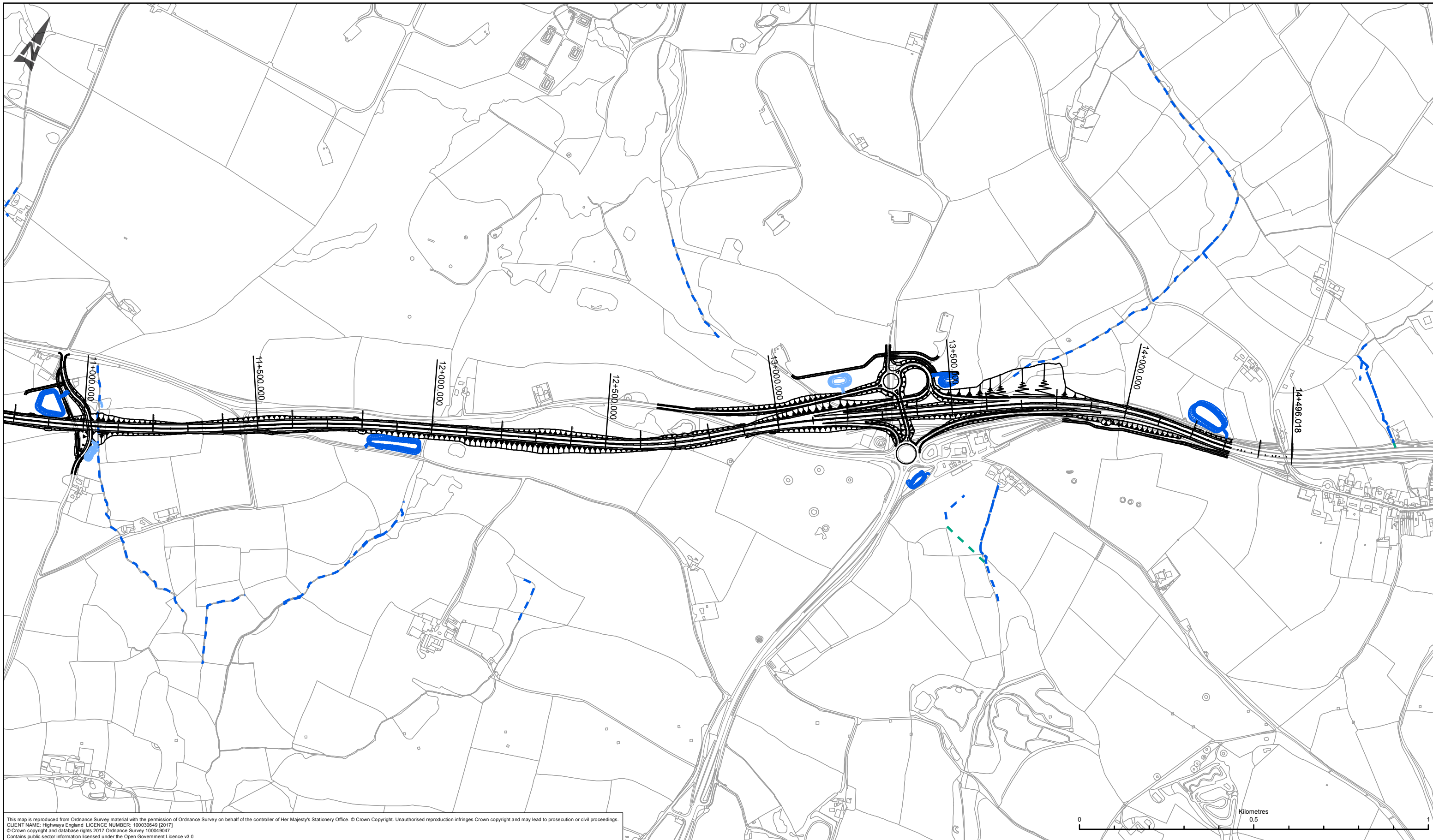
LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
	FLOOD ZONE 2
	FLOOD ZONE 3
RIVER NETWORK	
	CULVERT
	SECONDARY RIVER
	TERTIARY RIVER

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chk'd	App'd
P02	07/12/17	FIRST ISSUE	AH	TS	PH

Suitability	Drawing Status
S3	FIT FOR REVIEW AND COMMENT
Designer	
Client	

Project Title				
A30 CHIVERTON TO CARLAND CROSS				
Drawing Title				
FIGURE 13.3 - FLOOD RISK ZONES MAP SHEET 3 OF 4				
Scale	Designed / Drawn	Checked	Approved	Authorised
1:10,000	AH	TS	PH	IM
Original Size	Date	Date	Date	Date
A3	07/12/17	07/12/17	07/12/17	07/12/17
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Location	Type	Role	Number	

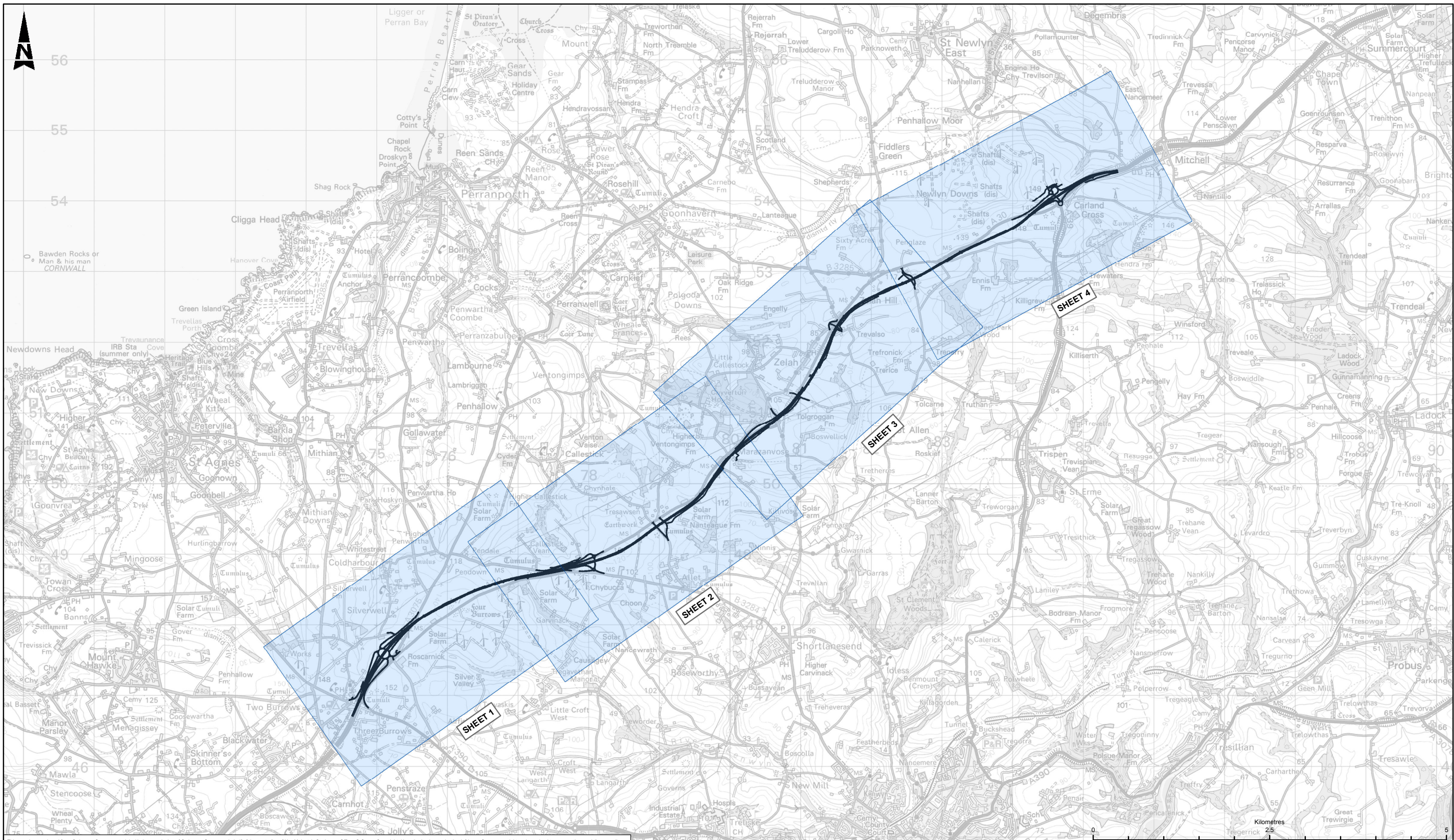


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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
RIVER NETWORK	
	CULVERT
	SECONDARY RIVER
	TERTIARY RIVER

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION					
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)					
Construction					
NONE					
Maintenance / Cleaning					
NONE					
Use					
NONE					
Decommission / Demolition					
NONE					
P02	07/12/17	FIRST ISSUE	AH	TS	PH
Rev	Date	Description	By	Chk'd	App'd

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS			
Designer <b>ARUP</b>		Drawing Title FIGURE 13.3 - FLOOD RISK ZONES MAP SHEET 4 OF 4			
Client <b>highways england</b>	Scale 1:10,000	Designed / Drawn AH	Checked TS	Approved PH	Authorised IM
	Original Size A3	Date 07/12/17	Date 07/12/17	Date 07/12/17	Date 07/12/17
Drawing Number Project HA551502-ARP-EWE-SW-DR-LE-000016		Originator Volume SW-DR-LE-000016		Revision P02	
Location		Type	Role	Number	



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**LEGEND**

- PROPOSED ROUTE ALIGNMENT
- SHEET EXTENT

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
<b>Construction</b>			
NONE			
<b>Maintenance / Cleaning</b>			
NONE			
<b>Use</b>			
NONE			
<b>Decommission / Demolition</b>			
NONE			
P02	07/12/17	FIRST ISSUE	By AH TS PH
Rev	Date	Description	By Chkd App'd

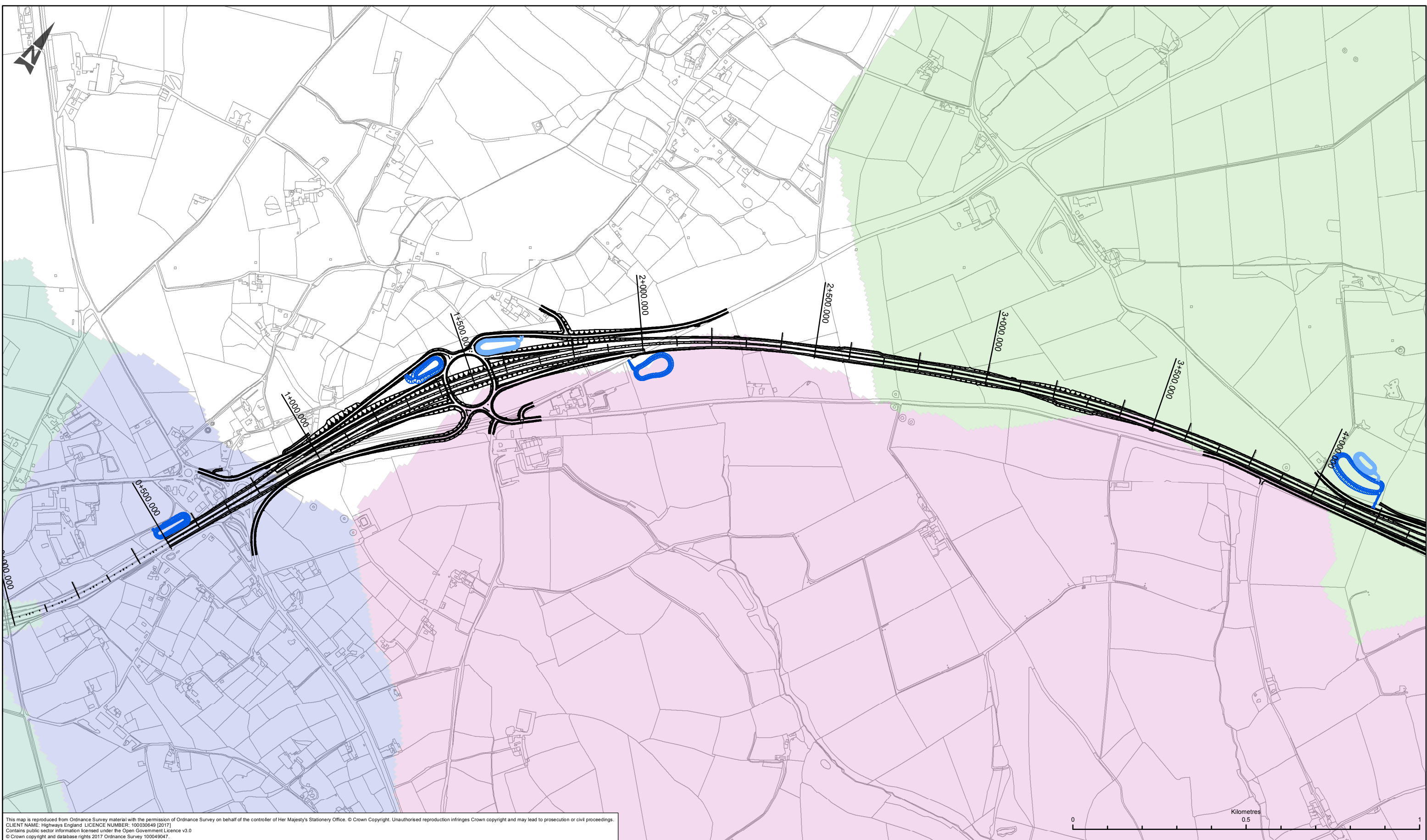
Suitability	Drawing Status
S3	FIT FOR REVIEW AND COMMENT
Designer	

**ARUP**

Client

Project Title	A30 CHIVERTON TO CARLAND CROSS				
Drawing Title	KEY PLAN CHAPTER 13 FIGURES 13.1 - 13.5				

Scale	Designed / Drawn	Checked	Approved	Authorised
1:50,000	AH	TS	PH	IM
Original Size	Date	Date	Date	Date
A3	07/12/17	07/12/17	07/12/17	07/12/17
Drawing Number	Project	Originator	Volume	Revision
	HA551502-ARP-EWE-			P02
Location	Type	Role	Number	



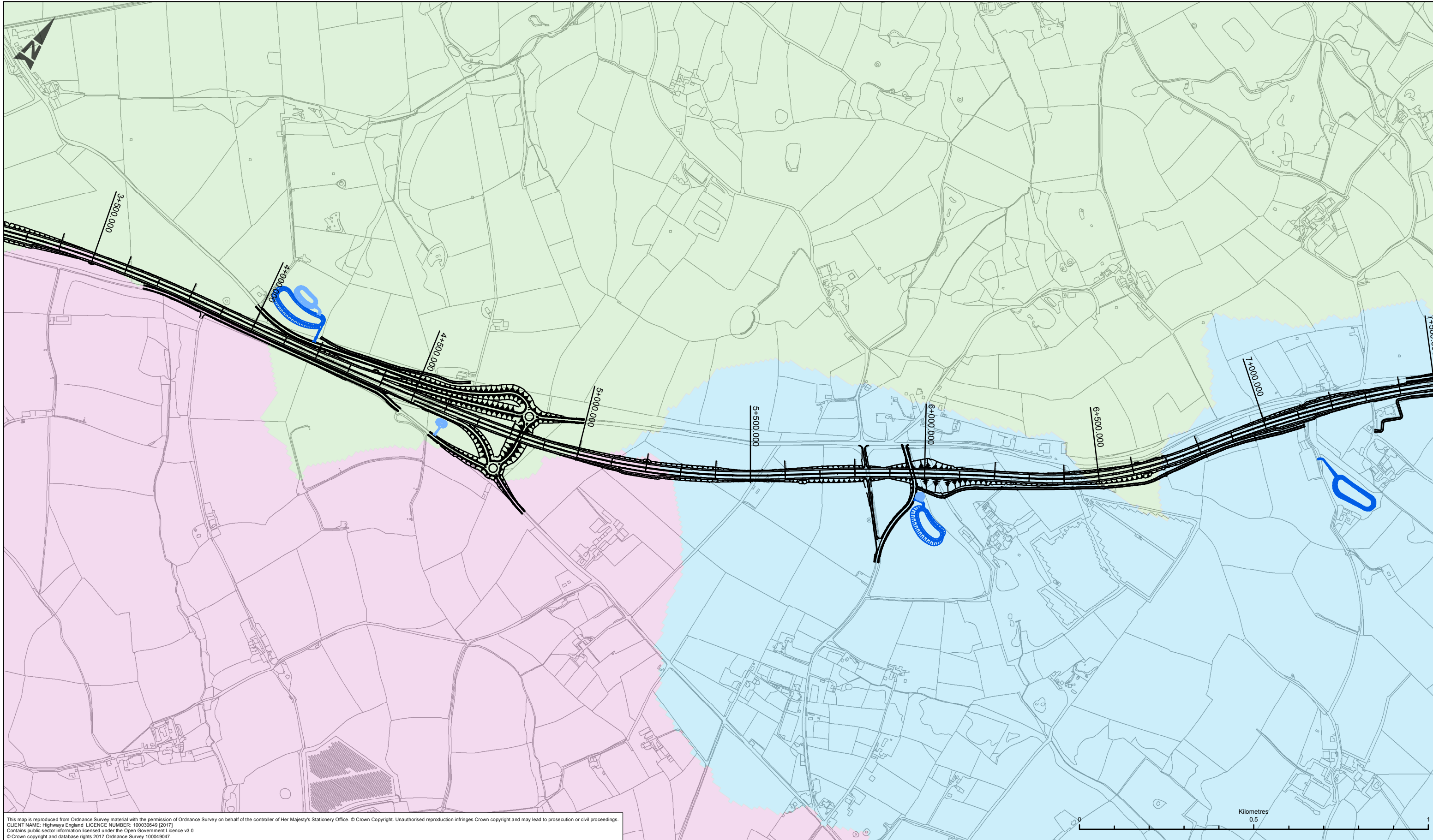
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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
RIVER CATCHMENT	
	BOLINGEY STREAM
	CALENICK STREAM
	KERWYN
	UPPER CANNON RIVER

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION						
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)						
Construction						
NONE						
Maintenance / Cleaning						
NONE						
Use						
NONE						
Decommission / Demolition						
NONE						
P02	07/12/17	FIRST ISSUE		AH	TS	PH
Rev	Date	Description		By	Chk'd	App'd

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS				
Designer <b>ARUP</b>		Drawing Title FIGURE 13.4 - WFD SURFACE WATER BODIES SHEET 1 OF 4				
Client <b>highways england</b>		Scale 1:10,000	Designed / Drawn AH	Checked TS	Approved PH	Authorised IM
Project HA551502-ARP-EWE-SW-DR-LE-000017		Original Size A3	Date 07/12/17	Date 07/12/17	Date 07/12/17	Date 07/12/17
Drawing Number	Project	Originator	Volume	Revision		
				P02		
Location	Type	Role	Number			





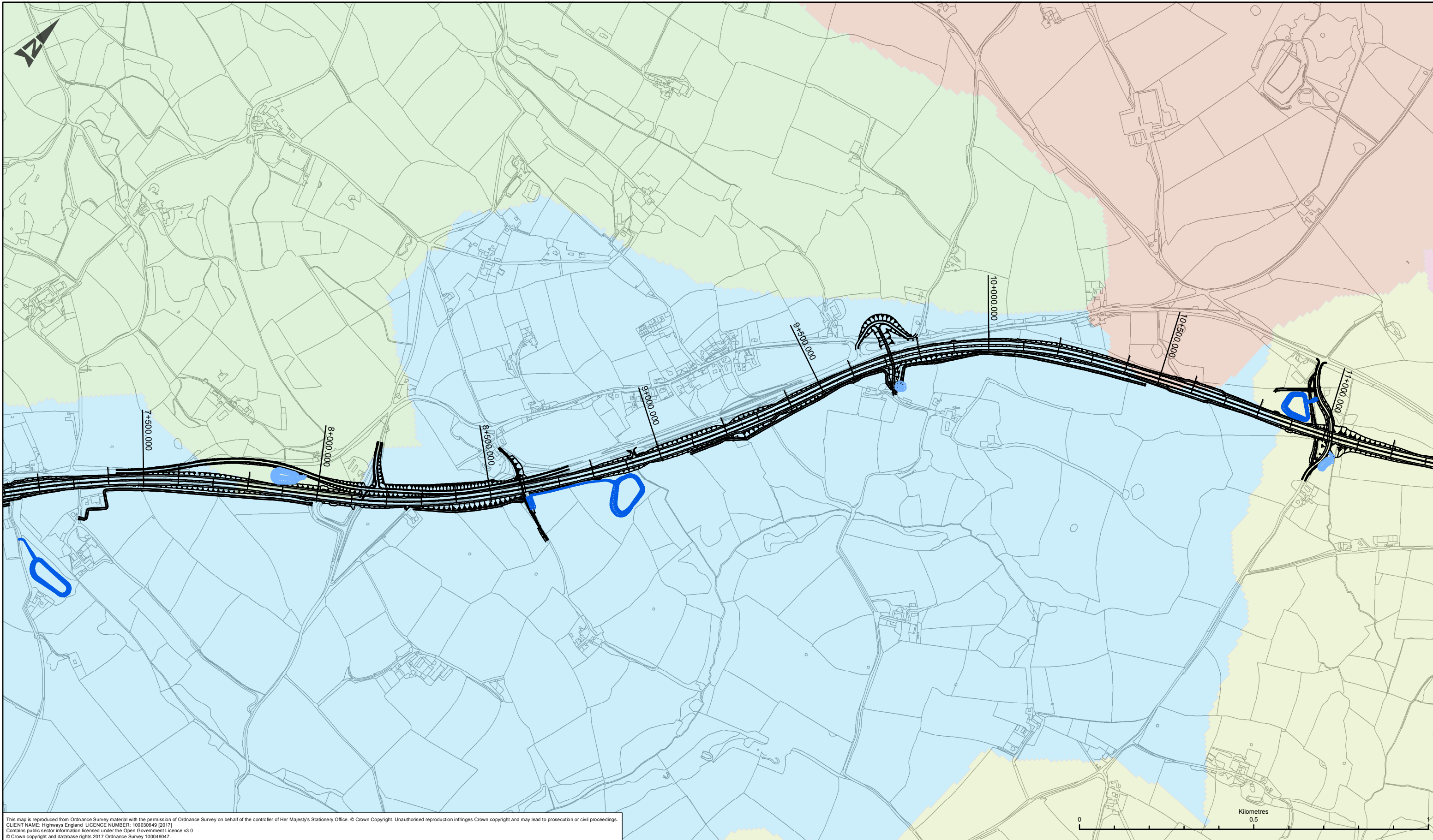
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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
RIVER CATCHMENT	
	BOLINGEY STREAM
	KERWYN
	ZELAH BROOK

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction			
NONE			
Maintenance / Cleaning			
NONE			
Use			
NONE			
Decommission / Demolition			
NONE			
P02	07/12/17	FIRST ISSUE	AH TS PH
Rev	Date	Description	By Chk'd App'd

Suitability	Drawing Status	Project Title			
S3	FIT FOR REVIEW AND COMMENT	A30 CHIVERTON TO CARLAND CROSS			
Designer		Drawing Title			
ARUP		FIGURE 13.4 - WFD SURFACE WATER BODIES SHEET 2 OF 4			
Scale	Designed / Drawn	Checked	Approved	Authorised	
1:10,000	AH	TS	PH	IM	
Original Size	Date	Date	Date	Date	Date
A3	07/12/17	07/12/17	07/12/17	07/12/17	07/12/17
Drawing Number		Project	Originator	Volume	Revision
HA551502-ARP-EWE-		SW-DR-LE-000018			P02
Location	Type	Role	Number		





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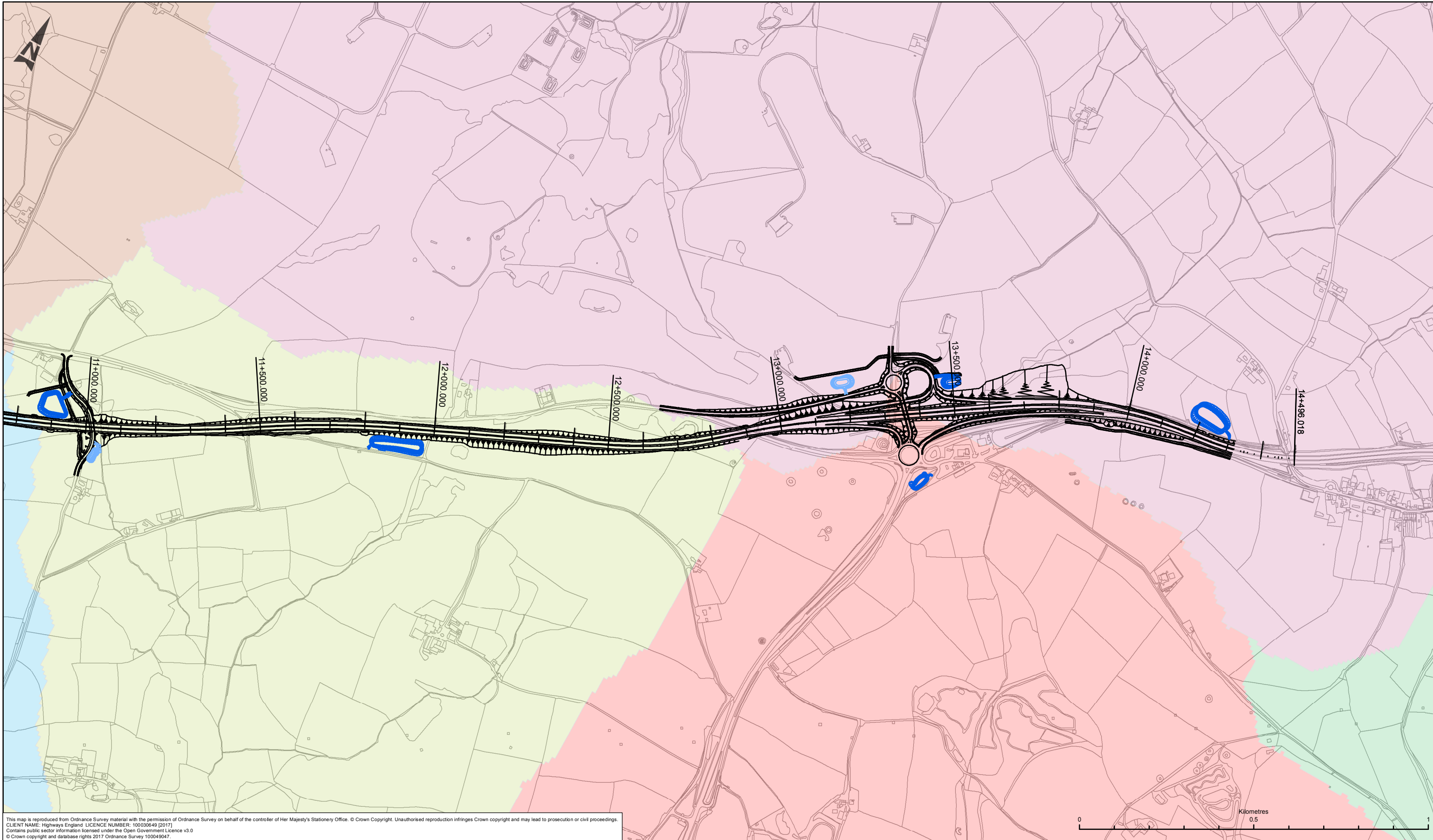
LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
	BENNY STREAM
	BOLINGEY STREAM
	HOLYWELL STREAM
	UPPER RIVER ALLEN (FAL)
	ZELAH BROOK

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chk'd	App'd
P02	07/12/17	FIRST ISSUE	AH	TS	PH

Suitability	Drawing Status
S3	FIT FOR REVIEW AND COMMENT
<b>ARUP</b>	
Client	

Project Title				
A30 CHIVERTON TO CARLAND CROSS				
Drawing Title				
FIGURE 13.4 - WFD SURFACE WATER BODIES SHEET 3 OF 4				
Scale	Designed / Drawn	Checked	Approved	Authorised
1:10,000	AH	TS	PH	IM
Original Size	Date	Date	Date	Date
A3	07/12/17	07/12/17	07/12/17	07/12/17
Drawing Number	Project	Originator	Volume	Revision
	HA551502-ARP-EWE-SW-DR-LE-000019			P02
Location	Type	Role	Number	



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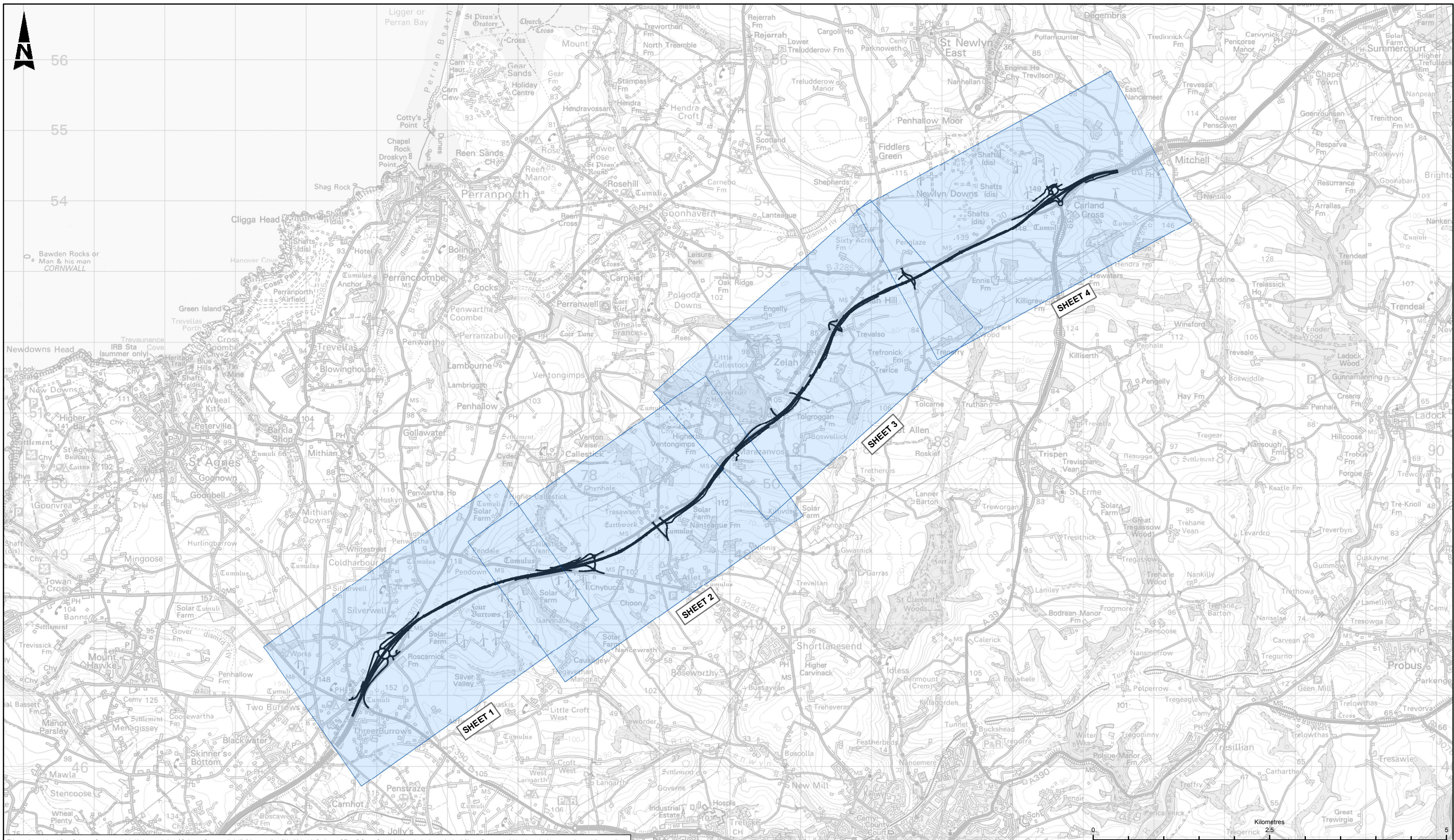
LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
RIVER CATCHMENT	
	BENNY STREAM
	HOLYWELL STREAM
	KESTLE STREAM
	TRESILLIAN RIVER (UPPER)
	UPPER RIVER ALLEN (FAL)
	ZELAH BROOK

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
<b>Construction</b>	NONE
<b>Maintenance / Cleaning</b>	NONE
<b>Use</b>	NONE
<b>Decommission / Demolition</b>	NONE

Rev	Date	Description	By	Chk'd	App'd
P02	07/12/17	FIRST ISSUE	AH	TS	PH

Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT  
 Designer: **ARUP**  
 Client: **highways england** and **European Union** (European Regional Development Fund)

Project Title: A30 CHIVERTON TO CARLAND CROSS				
Drawing Title: FIGURE 13.4 - WFD SURFACE WATER BODIES SHEET 4 OF 4				
Scale: 1:10,000	Designed / Drawn: AH	Checked: TS	Approved: PH	Authorised: IM
Original Size: A3	Date: 07/12/17	Date: 07/12/17	Date: 07/12/17	Date: 07/12/17
Drawing Number: Project	Originator: HA551502-ARP-EWE-SW-DR-LE-000020	Volume:	Revision: P02	
Location:	Type:	Role:	Number:	



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**LEGEND**

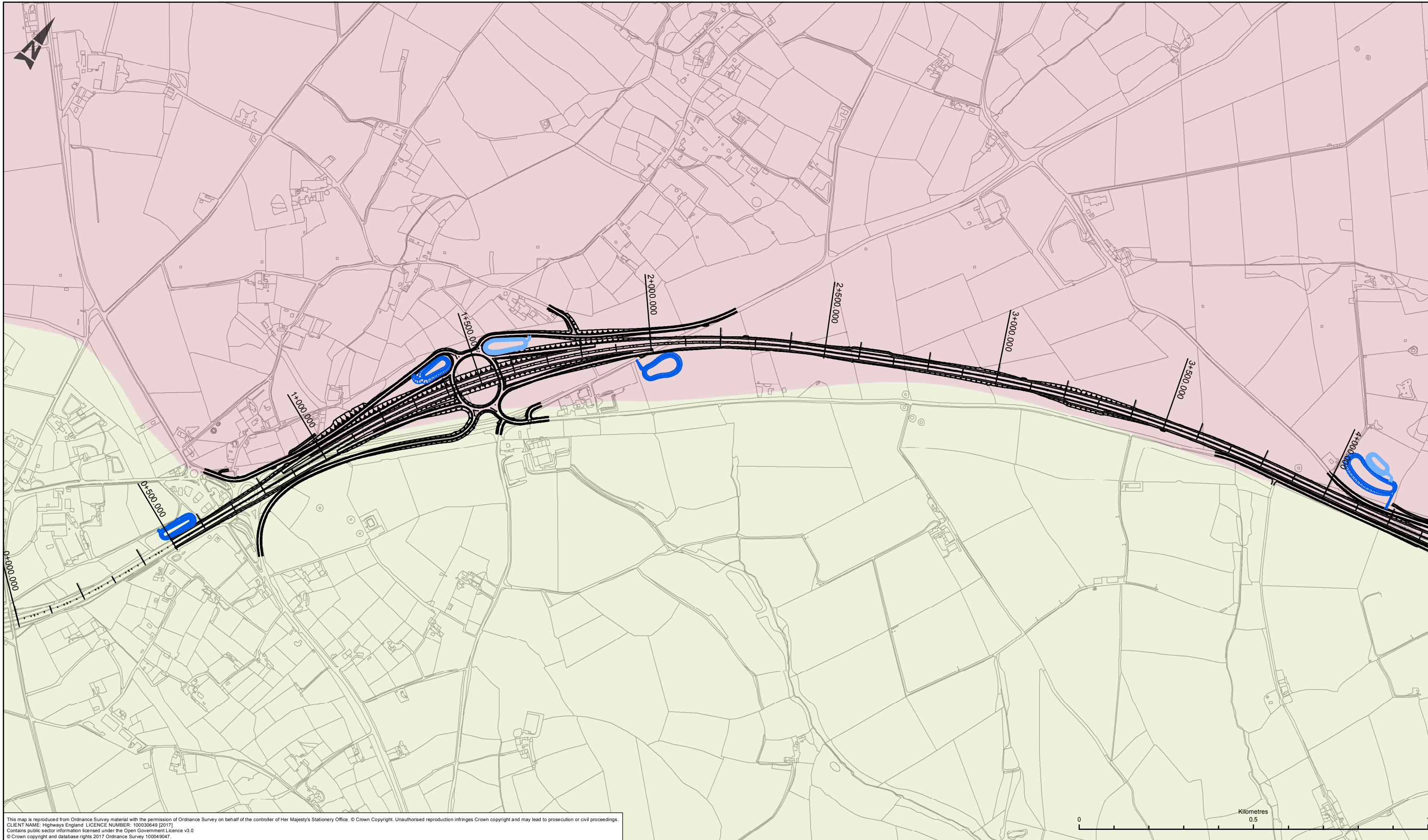
- PROPOSED ROUTE ALIGNMENT
- SHEET EXTENT

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
<b>Construction</b>			
NONE			
<b>Maintenance / Cleaning</b>			
NONE			
<b>Use</b>			
NONE			
<b>Decommission / Demolition</b>			
NONE			
P02	07/12/17	FIRST ISSUE	AH TS PH
Rev	Date	Description	By Chkd App'd

Suitability	Drawing Status	Project Title
S3	FIT FOR REVIEW AND COMMENT	A30 CHIVERTON TO CARLAND CROSS
Designer		Drawing Title
		KEY PLAN CHAPTER 13 FIGURES 13.1 - 13.5

Scale	Designed / Drawn	Checked	Approved	Authorised
1:50,000	AH	TS	PH	IM
Original Size	Date	Date	Date	Date
A3	07/12/17	07/12/17	07/12/17	07/12/17
Drawing Number	Project	Originator	Volume	Revision
	HA551502-ARP-EWE-			P02
Location	Type	Role	Number	



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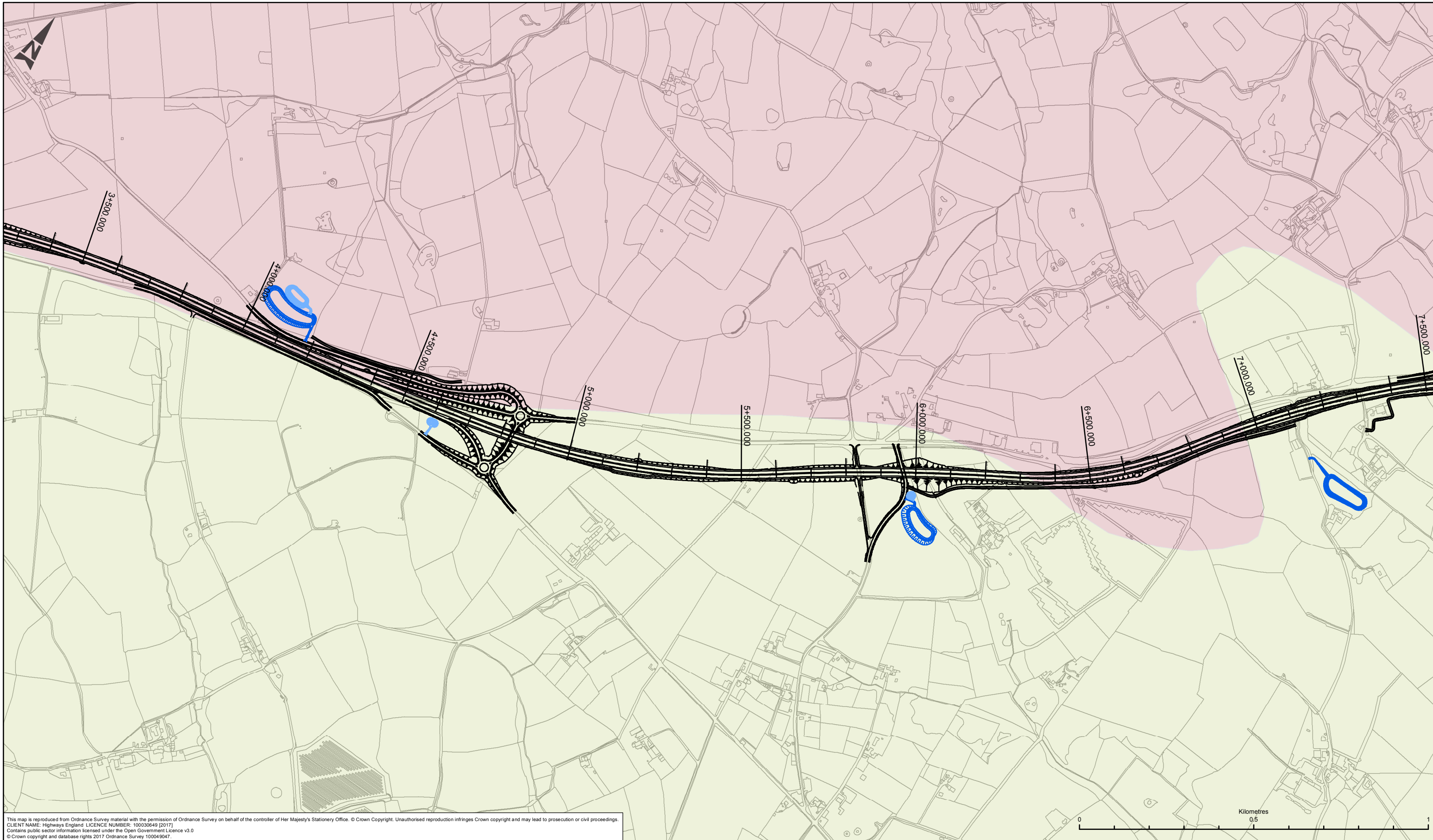
LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
WATER BODY NAME	
	SOUTH CORNWALL
	WEST CORNWALL

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION	
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)	
Construction	NONE
Maintenance / Cleaning	NONE
Use	NONE
Decommission / Demolition	NONE

Rev	Date	Description	By	Chk'd	App'd
P02	07/12/17	FIRST ISSUE	AH	TS	PH

Suitability: S3  
 Drawing Status: FIT FOR REVIEW AND COMMENT  
 Designer: **ARUP**  
 Client: **highways england** and **European Union** (European Regional Development Fund)

Project Title: A30 CHIVERTON TO CARLAND CROSS				
Drawing Title: FIGURE 13.5 - WFD GROUND WATER BODIES SHEET 1 OF 4				
Scale: 1:10,000	Designed / Drawn: AH	Checked: TS	Approved: PH	Authorised: IM
Original Size: A3	Date: 07/12/17	Date: 07/12/17	Date: 07/12/17	Date: 07/12/17
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Location:	Type:	Role:	Number:	

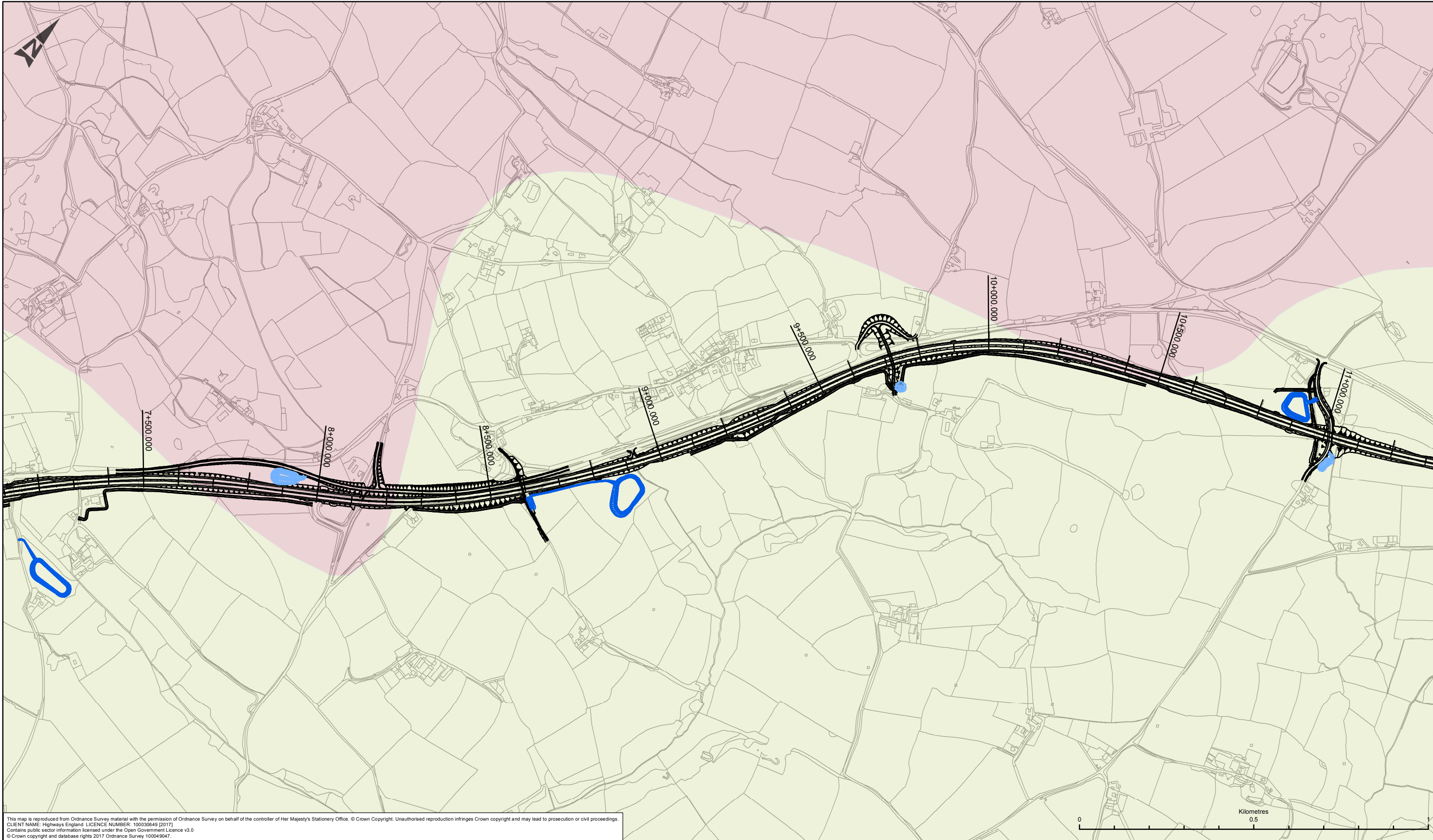


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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
WATER BODY NAME	
	SOUTH CORNWALL
	WEST CORNWALL

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction NONE			
Maintenance / Cleaning NONE			
Use NONE			
Decommission / Demolition NONE			
P02	07/12/17	FIRST ISSUE	AH TS PH
Rev	Date	Description	By Chk'd App'd

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS			
Designer <b>ARUP</b>		Drawing Title FIGURE 13.5 - WFD GROUND WATER BODIES SHEET 2 OF 4			
Client <b>highways england</b>		Scale 1:10,000	Designed / Drawn AH	Checked TS	Approved PH
		Original Size A3	Date 07/12/17	Date 07/12/17	Date 07/12/17
Drawing Number Project HA551502-ARP-EWE- SW-DR-LE-000022		Volume P02	Revision P02		
Location	Type	Role	Number		



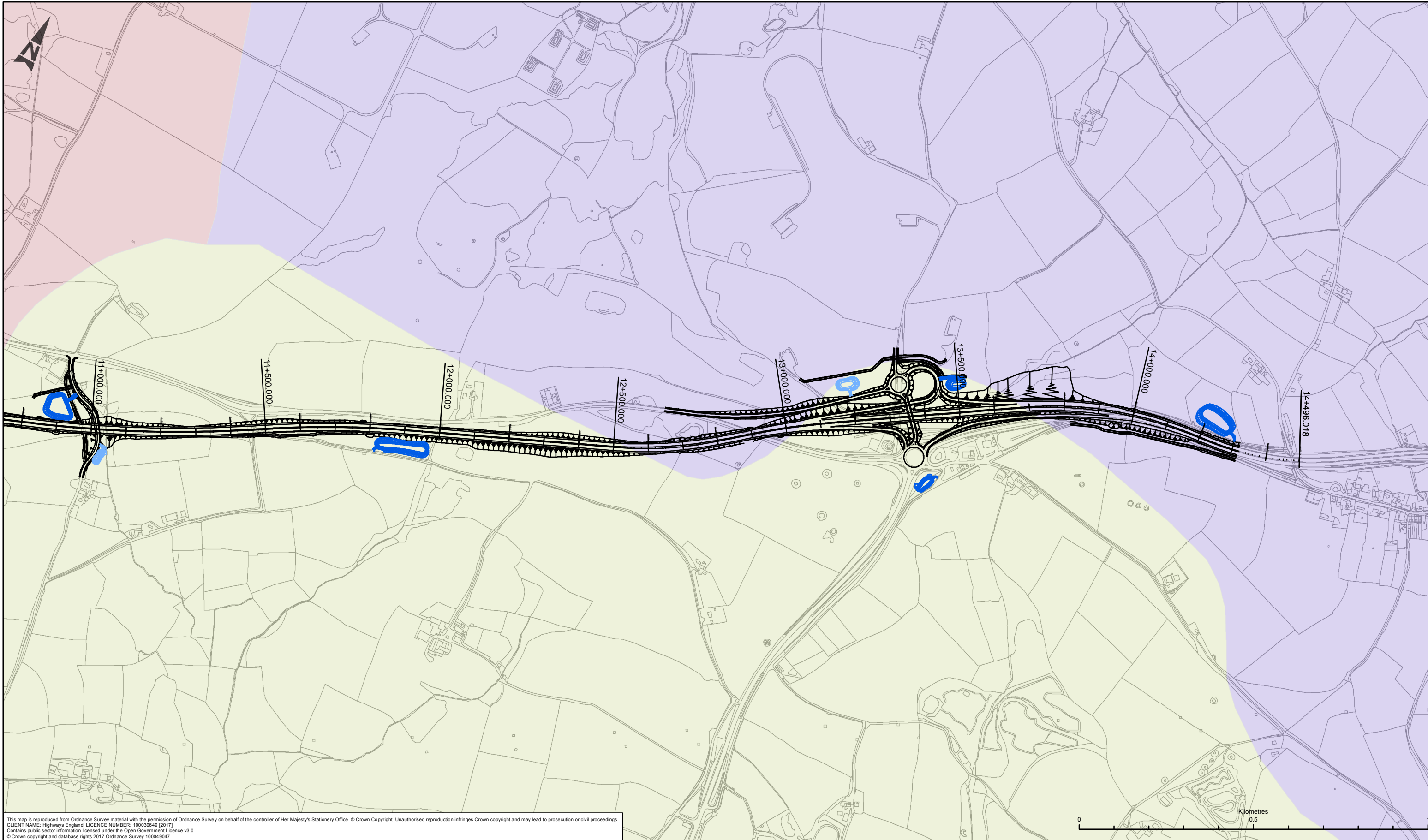
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LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
WATER BODY NAME	
	SOUTH CORNWALL
	WEST CORNWALL

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
Construction			
NONE			
Maintenance / Cleaning			
NONE			
Use			
NONE			
Decommission / Demolition			
NONE			
P02	07/12/17	FIRST ISSUE	AH TS PH
Rev	Date	Description	By Chk'd App'd

Suitability	Drawing Status	Project Title			
S3	FIT FOR REVIEW AND COMMENT	A30 CHIVERTON TO CARLAND CROSS			
Designer		Drawing Title			
ARUP		FIGURE 13.5 - WFD GROUND WATER BODIES SHEET 3 OF 4			
Scale	Designed / Drawn	Checked	Approved	Authorised	
1:10,000	AH	TS	PH	IM	
Original Size	Date	Date	Date	Date	
A3	07/12/17	07/12/17	07/12/17	07/12/17	
Drawing Number	Project	Originator	Volume	Revision	
	HA551502-ARP-EWE-			P02	
Location	Type	Role	Number		





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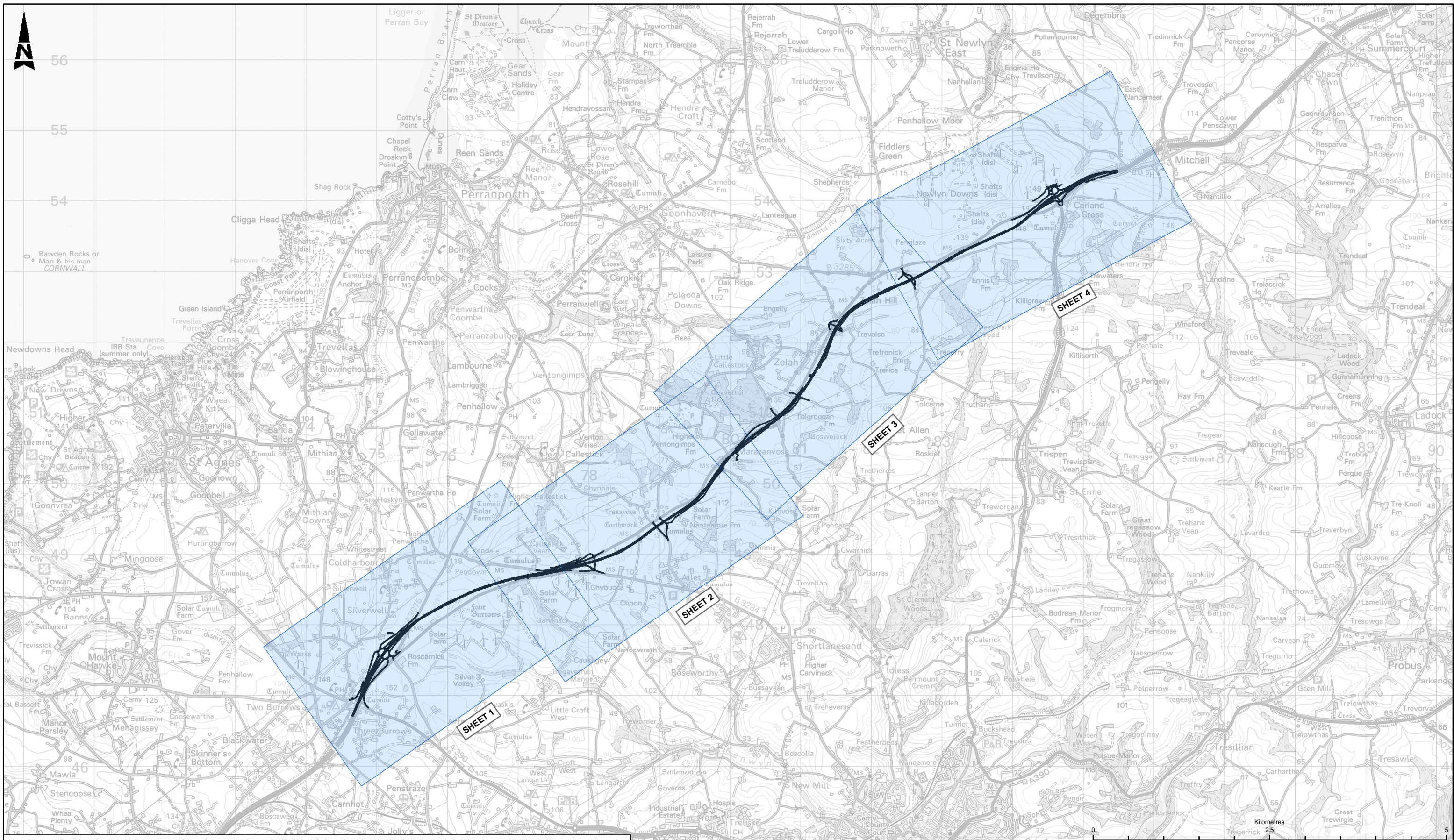
LEGEND	
	PROPOSED ROUTE ALIGNMENT
	ATTENUATION POND (HE)
	ATTENUATION POND (CORNWALL COUNCIL)
WATER BODY NAME	
	NORTH CORNWALL
	SOUTH CORNWALL
	WEST CORNWALL

SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION			
In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
<b>Construction</b>			
NONE			
<b>Maintenance / Cleaning</b>			
NONE			
<b>Use</b>			
NONE			
<b>Decommission / Demolition</b>			
NONE			
P02	07/12/17	FIRST ISSUE	AH TS PH
Rev	Date	Description	By Chk'd App'd

Suitability S3	Drawing Status FIT FOR REVIEW AND COMMENT	Project Title A30 CHIVERTON TO CARLAND CROSS			
Designer <b>ARUP</b>		Drawing Title FIGURE 13.5 - WFD GROUND WATER BODIES SHEET 4 OF 4			
Scale 1:10,000	Designed / Drawn AH	Checked TS	Approved PH	Authorised IM	
Original Size A3	Date 07/12/17	Date 07/12/17	Date 07/12/17	Date 07/12/17	
Drawing Number Project	Originator HA551502-ARP-EWE- SW-DR-LE-000024	Volume	Revision P02		
Location	Type	Role	Number		







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**LEGEND**

- PROPOSED ROUTE ALIGNMENT
- SHEET EXTENT

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

In addition to the hazards/risks normally associated with the types of work detailed on this drawing, note the following significant residual risks (Reference shall also be made in the design hazard log)			
<b>Construction</b>			
NONE			
<b>Maintenance / Cleaning</b>			
NONE			
<b>Use</b>			
NONE			
<b>Decommission / Demolition</b>			
NONE			
P02	07/12/17	FIRST ISSUE	By AH TS PH
Rev	Date	Description	By Chkd App'd

Suitability	S3
Drawing Status	FIT FOR REVIEW AND COMMENT

Designer

Client

Project Title	A30 CHIVERTON TO CARLAND CROSS				
Drawing Title	KEY PLAN CHAPTER 13 FIGURES 13.1 - 13.5				

Scale	1:50,000	Designed / Drawn	AH	Checked	TS	Approved	PH	Authorised	IM
Original Size	A3	Date	07/12/17	Date	07/12/17	Date	07/12/17	Date	07/12/17
Drawing Number	HA551502-ARP-EWE-SW-DR-LE-000025			Project	Originator	Volume	Revision	P02	
Location	Type	Role	Number						